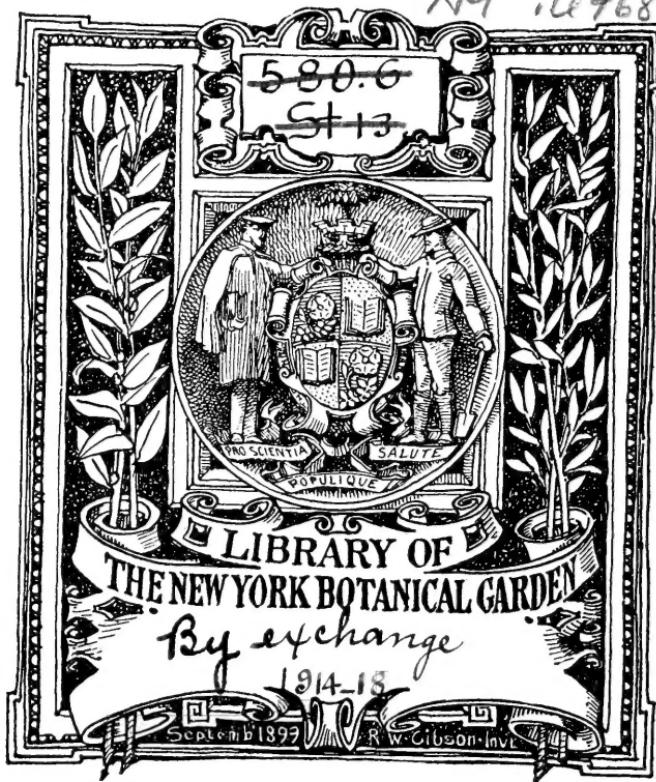


XM .4768





MUSEUM BULLETIN

OF THE

STATEN ISLAND ASSOCIATION

OF

ARTS AND SCIENCES

NEW SERIES

VOLUME I

August 1914 to July 1915

Edited for the Publication Committee

by

ARTHUR HOLICK, Secretary

New Brighton, N. Y.

X4
U768
7.8.
1-4
1914-18

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 1 (Whole No. 73)

AUGUST 1914

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

Beginning with this issue the Bulletin appears in a new form, which the Publication Committee trusts will meet with the approval of the members. The enlargement to two pages of current notes and news was authorized by the Board of Trustees last June, and was carried out in connection with the July number. The change of form was subsequently decided upon, to begin with this issue, inasmuch as the first number of the Bulletin was issued in August 1908. In its old form the Bulletin, therefore, includes exactly six years of publication, and the seventy-two numbers may be bound together as a single volume. The current number is, therefore, regarded as beginning a new series and is so designated.

Through the courtesy of Mr. Richard H. Britton in placing his motor boat and automobile at the disposal of the curator-in-chief a number of profitable collecting trips have been made along the shores of the Lower Bay and to several sections in the interior of the Island during the month of August. In company with Dr. N. L. Britton a beginning was made in collecting the local lichen flora, which class of plants is not represented in our herbarium, and a number of critical species of the higher plants were collected for careful study and identification. Several specimens of marine invertebrates and others of geologic interest were collected in the waters and on the shore at Prince's Bay. It is planned to investigate several matters of local scientific interest, heretofore neglected, whenever opportunities occur, and to render our collections of local material as complete as possible.

The Staten Island Bird Lovers' Club held a remarkably well attended meeting in the assembly hall of the museum on the afternoon of August 14, notwithstanding the oppressive heat of mid-summer. The following members and interested persons were present: Mrs. Wilhelm Knauth (President), Mrs. A. C. Bohn (Secretary), Mrs. Norman Stewart Walker, Mrs. H. D. Wiman, Mrs. Walter W. Price, Mrs. J. W. Curtis, Rev. Dr. George C. Cressey and Mrs. Cressey, Misses S. Gertrude Clark, Irma Wilson, Evelyn Waite, Mildred Walker, J. H. Horak and Miriam Frazee; Messrs. Harold K. Decker and Howard H. Cleaves. Plans were discussed for furnishing the schools of the island with winter feeding stations for wild birds, both as a means of stimulating interest

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

among the children and of aiding the birds when the cold weather is here. It was decided to further help the winter birds by establishing several large feeding places in the woodlands and elsewhere—the grain and other food materials for the purpose to be paid for from the club treasury. In order that the residents of Staten Island might become more generally aware of the existence of the Bird Lovers' Club, and that a Junior League might the more easily be formed, it was decided to divide the island into districts, with a committee for each; and to have a representative appear before the assemblies of as many schools as possible, for the purpose of telling the children of the proposed work of the club and with a view to enrolling them as Junior members.

The O. P. Geoffroy collection of Mexican tiles, pottery, bead-work, etc., has recently been placed on exhibition in the art and archeology room on the first floor of the museum, and in the same room may be found a case containing various native implements from Mexico, South America, Africa and Alaska, part of which are from the collection of the late Richard Penn Smith, donated to the museum by Morton W. Smith.

Donors to the museum and library since the last printed list are as follows: Howard R. Bayne, Thomas Cunningham, Wm. T. Davis, E. C. Delavan, Jr., Alexander Forsyth, J. Blake Hillyer, Arthur Hollick, New Brighton; H. Sherman Ingalls, Mrs. Wm. G. Willcox, West New Brighton; C. S. Egbert, Rosebank; Nathan Kasner, Morton W. Smith, New York City; H. D. House, Albany, N. Y.; Mrs. John A. Grossbeck, New Jersey; D. W. MacDonald, Chicago, Ill.

The accessions are unusually varied and interesting, representing geological, zoological and botanical specimens, historical relics and documents, medals, foreign and domestic coins and paper money, books, pamphlets, maps, etc. Among those which may be specially mentioned are 116 additions to the Morton W. Smith collection, comprising minerals, zoological and archeological specimens; an addition of 146 herbarium sheets of violets, from Dr. House, which makes our collection of violets one of the finest in America; a photograph of Christopher Billopp's tomb-stone at St. John, New Brunswick, taken and transmitted by Mr. MacDonald, one of the patrons of the museum.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and scientific records of the meetings of the Association and are sent free to all members and patrons in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 2 (Whole No. 74)

SEPTEMBER 1914

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

Members will please note that the next stated meeting of the Board of Trustees will be held on October 3 and that all applications for membership in the Association should be transmitted to the secretary before that date in order that they may be considered and acted upon.

Those of our members who are interested in botany will be pleased to know that the entire herbarium, consisting of some 9,000 sheets, is now arranged in the cases provided for the purpose, where it is available for reference and study. The Staten Island plants are separated from the general collection in order to facilitate the study of our local flora. There are, therefore, two distinct series in the herbarium, each of which is arranged in accordance with the most recent conceptions of systematic botany. The scientific value of our local herbarium, which is one of the most complete and comprehensive of its kind in existence, is thoroughly appreciated by those who are interested in the flora of New York and vicinity. Dr. N. L. Britton, Director-in-chief of the New York Botanical Garden, is taking advantage of its availability to make a critical examination of all the local specimens, in connection with a work on this flora which is now nearing completion, and the resulting revision will accrue to our benefit. It is hoped that members will bring in any plants that they may wish to have identified and named.

The Association was represented at the recent County Fair, held at Dongan Hills during the early part of the present month, by several large placards which were prepared at the museum and hung in the same booth with the exhibit of the Staten Island Civic League at the invitation of that body. Some photographs of characteristic exhibits, a number of typical case labels and copies of the earliest and latest numbers of the Museum Bulletin and of the Proceedings were included in the display. Other statistics, especially concerning the history of the Museum, were set forth on large printed cards, and numbers of folders and extra copies of the Bulletin were placed for free distribution.

On August 22, 1914, a beautiful adult specimen of the bald eagle (*Haliaeetus l. leucocephalus* Linn.) was seen at Princes Bay. Attention was called to him by the screams of an irate fish hawk which was observed to swoop from above at the back of the

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

larger bird of prey. It is the custom of the bald eagle, particularly in the fall of the year, to follow the fish hawk migration, imposing upon these faithful fishermen in preference to seeking quarry on his own initiative. His method is to await the appearance of some hawk that has secured a fish from the ocean and is flying with it inland to some accustomed perch, when the eagle makes a rush toward the osprey, the latter screaming in terror and dropping the prize which is snatched by the robber before it reaches the ground. Occasionally a hawk becomes sufficiently bold or angered to turn on the pirate but his attacks are only half-meant and the marauder continues on his dignified course.

During late summer and early autumn Staten Island becomes the stopping place for dozens of ospreys and these hosts have their accompanying eagle parasites, as many as five of the latter having been noted in the past three or four years.

Eagles are nowhere common in the eastern states and the sight of one of these great creatures, with his nearly seven feet of wing expanse, is sufficient to hold one's attention till the bird is lost in the distance, especially if it be an old bird with dark body and wings and pure white head and tail. In the late winter eagles are occasionally seen perched on ice floes in the lower Hudson as far south as upper Manhattan, but one has his greatest opportunity of seeing these birds on Staten Island or elsewhere along the coast from late August until early October, when the ospreys are on the move. H. H. C.

Donations to the museum and library have been received from the following persons during the last month: Wm. T. Davis, Arthur Hollick, New Brighton; H. Wm. Ferdinand Fielding, Harold McGregor, Tompkinsville; Paul H. Downing, Mrs. Wm. G. Willcox, West New Brighton; N. L. Britton, James J. Sullivan, New York City; Laurence S. Barroll, Charleston, S. C.; Richard Lambert, Worcester, Mass.

Of special value to the library of the Association is the donation of Mrs. Willcox, consisting of volumes II, III, V and VI of the U. S. War Department Reports of explorations and surveys made in connection with the then proposed railroad to the Pacific Ocean. It is very desirable that volumes I and IV be secured, if possible, in order to complete the set, and members are urgently requested to bear this in mind.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and scientific records of the meetings of the Association and are sent free to all members and patrons in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 3 (Whole No. 75)

OCTOBER 1914

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly hall of the museum, 154 Stuyvesant Place, St. George, on SATURDAY EVENING, OCTOBER 17, 1914, at 8:15 o'clock p. m. Dr. Arthur Hollick will read a paper, illustrated by specimens and lantern slides, on "Some Geological and Botanical Features of the Silver Lake Basin." There will be ample time for the presentation of specimens and the reading of brief papers or notes in relation to the same, and all members are requested and urged to contribute to the general interest of the meeting in this way.

ARTHUR HOLICK,
Secretary.

The Section of Engineering, Architecture and Allied Professions announces that a meeting of the section will be held at the museum on Tuesday evening, October 13, at which Mr. John P. Hogan, resident engineer of the Board of Water Supply of the City of New York, will deliver an address on "Some Problems connected with the New Water Supply for Staten Island."

Since the annual meeting of the Association the Board of Trustees has elected the following to active membership in the Association: Mrs. Ethel L. Kraft, D. D. Feldman, Charles W. Barnaby, Frank C. Mebane, W. B. Redgrave, Walter W. King, New Brighton; John W. McKay, Charles R. Scott, H. J. Lurye, Henry P. Morrison, Warren R. Borst, Henri Monrensal, George K. North, West New Brighton; H. H. Sutherland, Tompkinsville; W. E. Burkhardt, Stapleton; Miss E. Alice Austen, Clifton; Miss Harriet Louise Britton, Courtlandt van Vechten, Great Kills; Samuel D. McComb, Eltingville; William R. Britton, East Orange, N. J.; Christian E. Olsen, Maspeth, Long Island, N. Y.; Eberhard Faber, New York City.

Mr. Olsen and Mr. Faber qualified as life members.

The secretary desires to call attention to the following request, a copy of which was mailed to each member about three months ago: "In accordance with a resolution of the Board of Trustees, adopted May 28, 1914, I am instructed to request an expression of your preference in regard to the day of the week for the regular meetings of the Association.

"At the present time the By-laws provide that such meetings shall be held on the third Saturday evening of each month from October to May inclusive. Friday has been suggested as more convenient by several of the members; but a more general expression of opinion or preference is desirable and would be ap-

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

preciated." In a total membership of over three hundred only fifty-two have thus far responded. The result will be announced at the forthcoming meeting of the Association, and the members present will have an opportunity to discuss the matter and to propose any amendment to the by-laws which may be deemed advisable. Such amendment will then be submitted to vote at the next meeting of the Association in November.

The fourth meeting of the Staten Island Bird Lovers' Club was held at the museum on Friday, September 25, and proved so interesting that the session was prolonged until nearly six o'clock. Plans for the purchase and distribution of quantities of winter food for wild birds were adopted and means discussed for furnishing the schools of the Island with bird feeding stations so that the children may become interested in the work. The members were shown an example of the cocoanut food station which is simple but effective. It consists of an ordinary cocoanut suspended in a horizontal position by means of a wire—one end of the nut having been cut off, the milk drained away and the interior filled with chopped beef suet and English walnuts. A resolution was passed calling for the purchase and preparation of a hundred cocoanuts previous to the November meeting of the club, these to be distributed to the members and others who might place them to advantage either near their homes or in the woodlands of the Island. The meeting was well attended, there being twenty-nine members and visitors present. Any who have an interest in the birds will be heartily welcomed as members, the fees being as follows: Active member, 50c. annually; associate member, \$1.00 annually; life member, \$25.00, payable at one time. Checks or post office money orders may be mailed to the treasurer, Miss Ida F. Thies, Barrett Manor, Rosebank, N. Y.

The following persons have made donations to the museum and library since the last issue of the Bulletin: Howard R. Bayne, Wm. T. Davis, Arthur Hollick, New Brighton; H. Sherman Ingalls, West New Brighton; L. L. Tribus, Clifton; Calvin D. Van Name, Mariners Harbor; N. L. Britton, Wm. A. Murrill, New York City. Among these gifts are two additions to the library which are of great value to the staff of the museum, as well as to students who may desire to make use of them. One of these is the latest edition of Britton and Brown's Illustrated Flora, in three volumes, a gift from Dr. N. L. Britton; and the other is the second part of the Birds of New York, a large volume with many plates, given by Hon. Calvin D. Van Name.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and scientific records of the meetings of the Association and are sent free to all members and patrons in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

EDUCATION
LITERATURE
ARTS
SCIENCE

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 4 (Whole No. 76)

NOVEMBER 1914

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly hall of the museum, 154 Stuyvesant place, St. George, on SATURDAY EVENING, NOVEMBER 21, 1914, at 8:15 p. m. Mr. Howard H. Cleaves will describe, under the title "Studying Old Bird Problems in a New Way," the purpose of "bird banding," the methods employed, and some of the interesting facts obtained, illustrated by specimens and lantern slides mostly made from Mr. Cleaves' original photographs.

Members will please note that the following proposed amendment to the first paragraph of Section 2 of by-law I will be submitted for action at this meeting: *Regular meetings:* The regular meetings of the Association shall be held on the third [Saturday] *Friday* evening of each month from October to May inclusive.

ARTHUR HOLICK,
Secretary.

Accompanying this issue of the BULLETIN is the title page for volume I. It has not been thought advisable to attempt the preparation of either a table of contents or an index.

The first course of illustrated Friday afternoon lectures for school children of fourth grade and upward was begun on October 23. The lectures thus far given were: October 23, "Autumn Flowers of Staten Island," Dr. Hollick; October 30, "Cotton," Mr. Cleaves; November 6, "Fossil Plants of Staten Island," Dr. Hollick; November 13, "Tobacco," Mr. Cleaves.

On Thursday, November 5, the Section of Art began the winter's work with a private view of an exhibit of antique glass-ware and daguerreotypes collected and arranged by the ladies of the Committee on Art Loan Exhibits, and loaned to the museum by some of the many Staten Islanders who possess these objects of historic value. A short and interesting address was given by Mr. Richard M. Coit, of New York, before the fifty or more members of the Section and the exhibitors who were present, after which tea was served.

The exhibit, which will remain in the museum for two months, contains many beautiful and unusual pieces of glass, among which are three graceful Bohemian glass decanters, two in blue and one in green and white; an old Scotch set of decanter and glasses, etched with a thistle design; a tall glass beaker, with cover, dating from 1761; two of the so-called "whip-glasses;" a small Bristol glass pitcher; two curious old German pieces of red and white; a tall wine glass used for two hundred years as a loving cup in the family by whom it was owned; an amber glass pitcher, with raised white design; two square decanters from Holland; a green bowl made seventy-five years ago in an old glass factory in Ulster Co., N. Y., and a little green glass pitcher, probably from the same source. There are also included in the exhibit many wine glasses, goblets, cup plates and dishes, some of Colonial origin, and others dating further back, and possessing some special historical interest.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The daguerreotypes shown number over one hundred, together with a few ambrotypes and miniatures, and are especially interesting because of the fact that nearly all are members of old Staten Island families. A list of exhibitors follows: Mrs. J. Q. Adams, Mrs. S. E. Barton, Mrs. C. P. Benedict, the Benham family, Mrs. C. H. Brown, Mrs. Appleton Clark, Dr. F. E. Clark, Dr. J. G. Clark, Miss S. Gertrude Clark, Mrs. L. M. Connor, Mrs. S. D. Crocheron, Miss Laura K. Cropsey, Mrs. James Davis, Mrs. George W. Dix, Mrs. E. P. Doyle, Miss Edgar, Mrs. Robert W. Gardner, Miss Myra Haines, Mrs. Charles Jacobson, Mrs. T. L. Kennedy, Miss Lucy J. Kipper, Mrs. George M. Lillie, Mrs. John Mersereau, Mrs. Wm. Mersereau, Mrs. Henry B. Metcalfe, Mrs. Theodor S. Oxholm, Mrs. C. M. Porter, Mr. John Porter, Mrs. Henry Fitch Taylor, Mrs. Tuttle, Mrs. D. J. Tysen, Miss Margaret Tysen, Mrs. James R. Walsh, Mrs. Park J. White, Miss Julia Wilson, Mrs. W. G. Willcox, Miss Annie F. Wood.

The Staten Island Bird Lovers' Club held an interesting meeting in the museum on the afternoon of November 4. A large quantity of food for winter birds, purchased with club funds, was distributed among the twenty odd members present. This food consisted of a hundred pounds of mixed bird seed, fifty pounds of beef suet and a hundred cocoanuts. The latter make admirable feeding stations when one end of the nut is cut away, the interior filled with chopped suet and the whole suspended in a horizontal position from a limb by means of a wire.

It was announced that the club now has a membership of one hundred and six, including two life members, and that new members are constantly joining.

Farmers Bulletin 609, recently issued by the U. S. Department of Agriculture, deals with the subject of "Bird Houses and How to Build Them," by Mr. Ned Dearborn. It also includes suggestions for attracting and feeding birds; providing suitable materials for nest building, such as certain birds have shown a liking for, etc. The *Bulletin* is profusely and admirably illustrated and contains exactly the practical information which bird lovers need to know. It is interesting to note the statement by the author that * * "the use of houses by birds which until recently had persistently ignored them is surprising and must be considered a victory for those who have studiously attempted to enlarge their circle of feathered neighbors."

Accessions to the museum and library have been received from the following persons during the past month: Wm. T. Davis, Adeline T. Hollick, Arthur Hollick, Harry Leaney, New Brighton; Herman Rossbach, West New Brighton; John B. Pearson, George W. Tuttle, Tompkinsville; Harold Nichols, Mariners Harbor; Laura K. Cropsey, Green Ridge; Frances M. Tollett, Great Kills; H. H. Cleaves, Princes Bay; Mary Beyer, Tottenville; Art Commission, New York City.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and scientific records of the meetings of the Association and are sent free to all members and patrons in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 5 (Whole No. 77)

DECEMBER 1914

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly hall of the museum, 154 Stuyvesant place, St. George, on FRIDAY EVENING, DECEMBER 18, 1914, at 8:15 o'clock. Mr. L. R. E. Paulin, of the *New York World*, will give a descriptive address on "The Making of a Newspaper."

Visitors are welcome at all regular meetings of the Association, and members are urged to bring any friends who may express a desire to attend. Light refreshments are served and an informal reception is held, by the Woman's Auxiliary Committee, after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

Since the previous issue of the BULLETIN the Board of Trustees has elected the following to active membership in the Association: Russell H. Loines, Dongan Hills; Dane E. Rianhard, New Brighton; Mrs. Anton L. Schwab, Tompkinsville; Elting C. Stillwell, Linoleumville; William J. Noonan, West New Brighton.

A new ex-officio member of the Board of Trustees is Mr. James J. Reynolds, who has succeeded Mr. William A. Boylan as District Superintendent of Schools for this Borough.

At the suggestion of the Board of Trustees the attention of the members is called to the advisability of enrolling in one or another of the several sections of the Association—Biology, Art, Historical Research, Engineering or Music—according to the subject in which they may be especially interested. Any request for enrollment may be transmitted to the Secretary, who will forward it to the recorder of the section indicated. Members will then receive notices of all meetings of the section or sections in which they may be enrolled.

The first course of illustrated Friday afternoon lectures for school children was terminated as follows: November 20, "Plants that Make Coal," Dr. Hollick; November 27, "Corn and Wheat," Mr. Cleaves.

The first two lectures of the second course were: December 4, "Explorers and Founders of America," Miss Mary D. Lee; December 11, "The Early History of New York," by the same lecturer. Miss Lee, who is assistant curator in the Children's Museum of Brooklyn, will also deliver the third lecture of the course, and our museum will reciprocate through an exchange of three lectures in Brooklyn by Mr. Cleaves.

The second lecture of Miss Lee's series, on December 11,

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

brought out the largest audience so far this season, exhausting the seating capacity of the assembly hall.

During the past month the Museum was honored by a visit from Professor Nordal Wille of the Department of Botany in the University of Christiana, Norway, and Director of the Botanical Garden in that city. Professor Wille spent some time examining our herbarium, and the curator-in-chief, in company with Dr. N. L. Britton, Director of the New York Botanical Garden, was privileged to act as guide on several collecting trips to various parts of the island. Professor Wille is an authority on fresh-water algae, and the local specimens collected and named by him will make a unique and interesting addition to our flora.

Farmers Bulletin 626, recently issued by the U. S. Department of Agriculture, is by L. O. Howard, on "The Carpet Beetle or Buffalo Moth." It deals with the characters, distribution, natural history and habits of this household pest, and includes suggestions for remedying and preventing the destruction caused or liable to be caused by it. Imported originally from Europe, about the year 1873, it has since spread throughout the New England States, Pennsylvania, New York, and as far west as Kansas. An interesting fact noted is that whereas in Europe it is not especially recognized as a household pest it is known as one of the insects which attack museum collections--a habit which, fortunately, it has not as yet acquired, to any considerable extent, in this country.

Accessions to the museum and library have been received as follows during the past month: Samuel R. Brick, Jr., Robert Morris, Miss A. L. Pollard, New Brighton; L. L. Tribus, Stapleton; Standard Varnish Works, Elm Park; Sanderson Smith, Port Richmond; Robert Seelen, Midland Beach; N. L. Britton, N. Y. Botanical Garden, New York City; Thomas L. Casey, Washington, D. C.

The only one of the above listed accessions now on display is the framed, colored series of eight wild flowers needing protection, donated by the New York Botanical Garden, which has been hung in the lower hallway where it forms an attractive feature of the museum.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and scientific records of the meetings of the Association and are sent free to all members and patrons in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

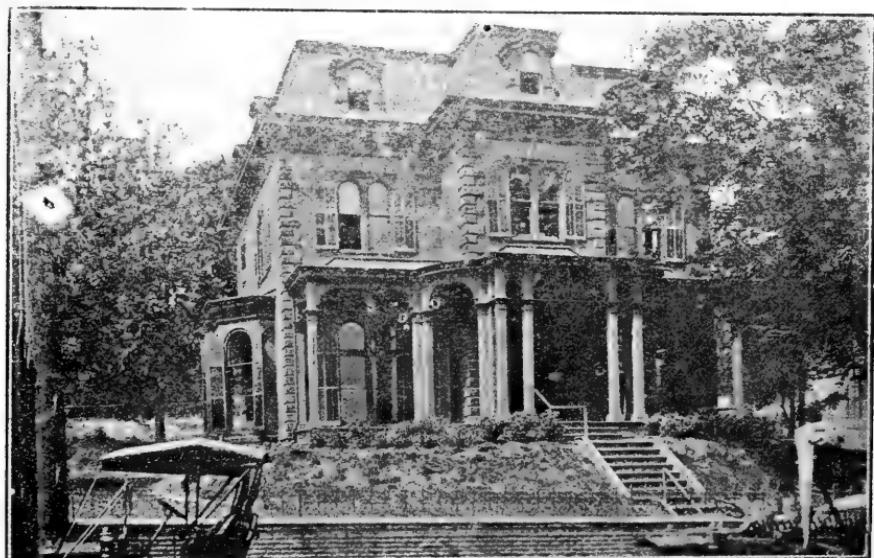
The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 6 (Whole No. 78)

JANUARY 1915

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly hall of the museum, 154 Stuyvesant place, St. George, on FRIDAY EVENING, JANUARY 15, 1915, at 8:15 o'clock. The secretary will present a communication on "The Old Cubberly House at New Dorp," illustrated with lantern slides showing its present condition and appearance, and a water color sketch made about sixty-five years ago.

Visitors are welcome at all regular meetings of the Association and members are urged to bring to the meetings any friends who may express a desire to attend.

ARTHUR HOLICK,

Secretary.

Nine of the old engravings and woodcuts presented by Mr. Wm. T. Davis, representing Staten Island views taken during the period from 1835 to 1858, and shown at recent meetings of the Association, have been framed and hung on the stairway walls and in the library. Practically all the available wall space in the museum is now utilized, making an attractive and unique display of local historical material. A number of persons from New Jersey and elsewhere, interested in the history of New York and vicinity, have recently visited the museum for the purpose of examining our series of old Staten Island maps and to consult our library of Staten Island historical literature, and several have purchased copies of the *Proceedings* containing contributions by our members on local historical subjects.

At the stated December meeting of the Board of Trustees the grade and title of the head of the museum staff was changed from that of Curator-in-chief to that of Director.

The second course of five illustrated Friday afternoon lectures for school children continues to demonstrate how thoroughly they are appreciated. On December 18, Miss Mary D. Lee's lecture on "The Life of George Washington" attracted more children than could be seated and a number had to be turned away. It is to be hoped that more of our members may occasionally attend these lectures and thus obtain an adequate idea of this phase of the educational activities in which the Association is engaged.

Farmers' Bulletin 627, recently issued by the U. S. Department of Agriculture, is on "The House Centipede," by C. L. Marlatt. A footnote states that "this bulletin is of interest to housewives throughout the United States," and to those who have noticed this weird looking, long-legged, fragile creature, darting swiftly over floors, walls and ceilings, the information given in regard to it will certainly be appreciated. It is carnivorous in its habits, feeding upon flies, roaches and other insect pests, and is, therefore, of value in the house; but its bite is poisonous and more or less painful although apparently not serious in its effects, and there is no record that it ever attacks any human being except when accidentally disturbed or in self defense.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The Christmas Bird Census for Staten Island, taken by Messrs. H. K. Decker and H. H. Cleaves, and printed below, reveals several facts of interest concerning our wild bird life in the present winter. It would be expected that the low temperatures prevailing throughout the greater part of December would have had the effect of driving south any birds which are commonly only transients or summer residents here. Nevertheless it will be seen that Flickers, Fish Crows, Sharp-tailed and White-throated Sparrows, Ruby-crowned Kinglets and Robins were noted in varying numbers.

The presence of these birds at this season is to be accounted for by the fact that the snow-fall has been light and as a result the sources of food supply have not been cut off. It is well known that birds suffer more from lack of food than from exposure to cold. A good example of this is the Myrtle Warbler, belonging to a tribe of delicate, insect-eating birds. But because the Myrtle Warbler is able to change its food habits when the insects are no longer available and subsist on the fruit of the bay bushes, we find this bird here in the coldest of winters when the crop of bayberries is heavy.

It is pleasant to find that Chickadees are with us in some numbers, inasmuch as a scarcity of these birds has been reported from adjacent territory in New Jersey, Long Island and Connecticut.

The Red-headed Woodpecker, Pine Siskin, Snow Bunting, Ipswich Sparrow and Northern Shrike deserve special notice—the first named because this woodpecker is unusual anywhere in the territory northeast of the Alleghany Mountains, especially at this season; and the last four because they are species which come from the north at irregular intervals, the Snow Bunting not having been seen on Staten Island for about seven winters.

Following is the detailed census, together with a memorandum of the conditions under which it was made:

Territory: West New Brighton to Egbertville to New Dorp to Great Kills; Princes Bay to Tottenville to Great Kills; Great Kills to South Beach. The census takers worked separately except between the last two localities. Date: December 27, 1914. Time: 7 a. m. to 5:10 p. m. Sky: Intermittently cloudy; clearing toward late afternoon. Ground: Covered slightly but evenly with snow, and frozen. Wind: Light N. W., falling at times to dead calm. Temperature: 9 F. at start, rising to 26 F. in afternoon. Herring Gull, 618; Red-breasted Merganser, 2; Greater Scaup Duck, 115; Goldeneye, 35; Bufflehead, 37; Red-shouldered Hawk, 3; Sparrow Hawk, 2; Screech Owl, 4; Hairy Woodpecker, 2; Downy Woodpecker, 39; Red-headed Woodpecker, 1; Northern Flicker, 9; Blue Jay, 42; Crow, 151; Fish Crow, 2; Starling, 471; Meadowlark, 67; Goldfinch, 12; Pine Siskin, 18; Snow Bunting, 1; Ipswich Sparrow, 2; Sharp-tailed Sparrow, 1; White-throated Sparrow, 2; Tree Sparrow, 244; Junco, 86; Song Sparrow, 44; Cardinal, 11; Northern Shrike, 1; Myrtle Warbler, 12; Brown Creeper, 1; White-breasted Nuthatch, 10; Tufted Titmouse, 9; Chickadee, 47; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 7; Robin, 2. Total, 36 species, 2120 individuals.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and scientific records of the meetings of the Association and are sent free to all members and patrons in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 7 (Whole No. 79)

FEBRUARY 1915

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly hall of the museum, 154 Stuyvesant place, St. George, on **FRIDAY EVENING, FEBRUARY 19, 1915**, at 8:15 o'clock. Mr. Arthur A. Michell will exhibit some original English documents, dated between the 13th and 18th centuries, and explain the characteristics and meanings of the language, abbreviations, parchment, writing, ink, seals, etc., in connection with them, and the laws and customs to which they refer.

Visitors are welcome at all regular meetings of the Association and members are urged to bring to the meetings any friends who may express a desire to attend.

ARTHUR HOLICK,
Secretary.

The annual meeting of the Section of Historical Research was held on Wednesday evening, February 3. Edward C. Delavan, Jr., and S. McKee Smith were re-elected chairman and recorder, respectively.

The regular monthly meeting of the Section of Engineering, Architecture and Allied Professions was held on Tuesday evening, February 9. Mr. Chester H. Aldrich delivered an illustrated lecture on "Development of Architectural Styles."

The Section of Biology met on Monday evening February 15, and discussed a miscellaneous program of notes and papers on material of local interest.

The attention of members is again called to the necessity for enrollment in one or another of the sections if they desire to join in the sectional activities or to receive notices of the section meetings.

Recent elections to active membership in the Association by the Board of Trustees are: Mrs. Jerome A. King, David Varon, Frank J. E. Weatherdon, New Brighton; Harold S. Butler, West New Brighton; Stephen L. Mershon, Montclair, N. J. Mrs. Elizabeth Davis and Miss Bessie E. Davis qualified as life members.

The second course of illustrated Friday afternoon lectures for school children was completed since the last issue of the BULLETIN as follows: January 15, "Bird Life in the Land of Southern Snows," Mr. Robert C. Murphy, of the Central Museum, Brooklyn Institute; January 22, "Life Among the Indians," and January 29, "Indian Fairy Tales," Mr. Alanson Skinner. On each of these occasions the seating capacity of the assembly room was overtaxed and many children had to be turned away.

A third course has been arranged, and is now in progress as follows: February 5, "A Canoe Trip Down the Yukon River, Alaska," Dr. Hollick; February 19, "A Bird Trip to South Carolina," Mr. Cleaves; February 26, "Fairy Folk," Mr. J. L. G. McMahon; March 5, "Some Spring Flowers of Staten Island," Dr. Hollick; March 12, "Attracting Birds in Summer," Mr. Cleaves.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The gift to the Association by Dr. N. L. Britton of the Culverly House, and its acceptance by the Board of Trustees, to be "preserved by the Association as an example of old colonial cottage architecture," was announced and fully explained at our January meeting. No plans have as yet been formulated for the care and maintenance of the property; but a committee of the Board was appointed, consisting of Dr. J. Q. Adams, Mr. F. Winthrop White and the president, to arrange and determine all the legal formalities for its transfer and acceptance in accordance with the deed of gift.

The art loan exhibit which was installed last autumn has been removed since the last issue of the BULLETIN and a new one has been installed which is of exceptional interest by reason of the variety of material represented. In order to economize space, and at the same time to fully describe everything, each article is numbered and all descriptive matter is entered under its proper number in a typewritten catalog. A list of the contributors and a general description of the exhibits will be printed in the next BULLETIN.

Several new exhibits have been arranged elsewhere in the museum. In the upper hallway may be seen a series of six framed pictures showing lightning in its various forms, as depicted by modern photographic methods; and it is hoped to supplement these, for purposes of comparison, by pictures made previous to the era of instantaneous photography, in which lightning is represented in the old conventional manner. Any such pictures which members may be able to contribute will be welcome.

In the geology room our collection of old wall maps of Staten Island has been rearranged and these now form an interesting historical series.

In the same room, on the mantelpiece, our entire collection of fossil and recent gums and resins has been arranged in glass jars, making a very creditable display, which could be made an almost complete exhibit of its kind by the addition of a few more specimens easily obtainable, such as gum arabic, gum camphor, etc.

In the table case adjoining the mantelpiece a series of specimens has been arranged, from some of the material which is stored in the Annex, representing various forms of the mineral quartz—quartz crystal, agates of various kinds, chalcedony, jasper, bloodstone, amethyst, onyx, carnelian, etc.

Accessions to the Museum and Library not previously acknowledged in the BULLETIN have been received from Frank Baker, Howard R. Bayne, Samuel Brick, Jr., Howard H. Cleaves, Wm. T. Davis, Arthur Hollick, John B. Pearson, Hartwell Stafford and L. L. Tribus.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and scientific records of the meetings of the Association and are sent free to all members and patrons in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 8 (Whole No. 80)

MARCH 1915

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly hall of the museum, 154 Stuyvesant place, St. George, on FRIDAY EVENING, MARCH 19, 1915, at 8:15 o'clock. The program will be under the auspices of the Section of Art. Mr. David Varon will deliver an address on "The Appreciation of Architecture," accompanied by crayon sketches.

Visitors are welcome at all regular meetings of the Association and members are urged to bring to the meetings any friends who may express a desire to attend.

ARTHUR HOLICK,
Secretary.

Among the recent accessions of historical interest now on display are: From Mrs. James Cornell, the hickory walking stick, presented by Andrew Jackson ("Old Hickory"), on the day of his first inauguration as president of the United States to William H. Seward and from him, through several other parties, to the late James Cornell, of Staten Island; and from Dr. N. L. Britton, an old-fashioned solid mahogany cradle, made previous to 1860 and in use for about two decades subsequently in his family.

A life group of the American sparrow hawk has been added to the local biology room on the first floor of the Museum. This makes a companion to the case showing the downy woodpecker in nesting time, both groups illustrating the fact that the birds dealt with lay their eggs in tree cavities. Both the sparrow hawk and downy woodpecker are familiar birds of Staten Island, being present the year round.

The new art loan exhibit installed about the middle of February by the ladies of the committee has proven to be interesting from several points of view, though the articles loaned were most difficult of arrangement, because of their miscellaneous character. The experiment was tried of asking each member of the Association for one article considered by the owner to be interesting—artistically or historically speaking—and this brought out a great variety of articles, although the number of members contributing toward the loan was not so large as had been hoped. The exhibit fills four cases and part of a fifth in the arts and archeology room, while on the walls are hung, in addition, a large photograph of the American osprey or fishhawk, loaned by Mr. Howard H. Cleaves, and two photographic reproductions of letters from George Washington and Robert Morris,

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

the originals being in the possession of the family of Miss Mary W. Green, who loans the reproductions. Two of the table cases contain old books, documents and allied objects, among which may be noted a military commission issued to Ephriam Clark, Jr., in 1823, together with the sword belonging to Dr. Clark, both loaned by Miss S. Gertrude Clark; three old Presbyterian communion tokens and a mourning ring, loaned by Mr. E. C. Delavan, Jr.; a leather document trunk made about 1800, owned by Mr. L. L. Tribus; an autograph book containing the signatures of many of our Presidents and other noted men and women, collected by Read Benedict and loaned by Mr. Charles P. Benedict; a copy of the "Breeches Bible," so-called, bearing the imprint 1607, the loan of Mr. Russell P. Hobson; a book on insects published in 1766 which contains many hand-colored plates, loaned by Mr. William T. Davis; a beautifully engraved cairngorm seal bearing the arms of Campbell and Lorne, the loan of Dr. Arthur Hollick; a number of hymn and prayer books published early in the eighteenth century, loaned by Mrs. E. O. Vreeland; a little old violin book published in London between 1791 and 1796, the loan of Miss Edith M. Pollard. The third table case holds articles from China, Japan and the far East, among which are a number of daggers and knives of elaborate workmanship, loaned by Mrs. C. H. Brown, Mr. E. C. Delavan, Jr. and Mr. Robert W. Gardner; a Chinese reed basket, loaned by Mrs. T. L. Kennedy; various small carved ivory and jade articles loaned by Mrs. Robert W. Gardner, and quite a collection of objects of native use brought from China and Japan in 1871 by Mrs. A. M. King, and loaned by her for this exhibit. Among these are lacquer and brocade shoes, Chinese and Japanese idols, and a Japanese pen and ink case. The all-glass case in the bay window of the room is largely filled with china and glassware, including several cups and saucers, custard cups and plates of early English ware, loaned by Mrs. W. P. Preble and Mrs. Arthur Hollick; a Spode pitcher and an exquisite Japanese cloisonne vase belonging to Mrs. Robert W. Gardner; a silver lustre pitcher loaned by Mrs. C. H. Brown; an Independence pitcher loaned by Miss C. C. Mase; Staffordshire and old cut glass pepper pots loaned by Mrs. T. L. Kennedy; a glass case bottle over one hundred and twenty-five years old, the loan of Mr. O. P. Geoffroy; two pieces of old blue and white china loaned by Miss Agnes L. Pollard; and a remarkable double gourd vase fashioned by hand by Kybeel women of the Berber tribes of North Africa, the property of Dr. J. Q. Adams. Other interesting objects are a hand spun and woven tablecloth made in Scotland in 1828, loaned by Mrs. James R. Walsh; a square of fine French embroidery, executed and loaned by Mrs. Louis A. Dreyfus; a large bronze medal awarded to Commodore Preble in 1804, loaned by Mrs. W. P. Preble, and a number of old embroidered articles of baby's wear, loaned by Mrs. King and Mrs. Vreeland.

A. L. P.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and scientific records of the meetings of the Association and are sent free to all members and patrons in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 9 (Whole No. 81)

APRIL 1915

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly hall of the Museum, 154 Stuyvesant place, St. George, on FRIDAY EVENING, APRIL 16, 1915, at 8:15 o'clock.

The program will be under the auspices of the Section of Engineering, Architecture and Allied Professions. Mr. L. L. Tribus will deliver an illustrated lecture on "Travel Notes on Water Supply, Ancient and Modern."

Visitors are welcome at all regular meetings of the Association and members are urged to bring to the meetings any friends who may express a desire to attend.

ARTHUR HOLICK,
Secretary.

The third and final course of free illustrated lectures for school children, for the season 1914-1915, was scheduled to end on Friday March 12, with Mr. Cleaves' lecture on "Attracting Birds in Summer"; but on the day of the lecture the children in attendance prepared and signed a petition for another. They were assured that one would be arranged, and subsequently Mr. Dwight Franklin generously volunteered his services and, on the following Friday afternoon, gave a talk on "Frogs and Toads of Staten Island," illustrated with crayon sketches, on which occasion ninety-two children attended.

Recent elections to active membership in the Association by the Board of Trustees are Charles Rosenberg, Stapleton; Thomas A. Letts, New Brighton Stephen L. Mershon, Montclair, N. J., qualified as a life member.

A rearrangement of cases in the geology room has been effected, so as to bring the general mineralogical collection into the middle of the room, where the light is best. A number of fine specimens of gold ores not heretofore on display have been added and placed where they may be seen to good advantage.

Of timely interest to those who wish to do what they may in the direction of repairing injuries to trees is a recently issued pamphlet on "Practical Tree Surgery," by J. Franklin Collins, reprinted from the Yearbook of the United States Department of Agriculture for 1913, and designated "Y. B. Separate 622." It describes the objects of and methods in tree surgery; the proper way to cut off diseased or broken limbs and branches; how to excavate, treat and fill cavities; how to bolt and guy trees that have split or are in danger of splitting, etc. The illustrations are well

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

selected and clear in every detail which they are designed to demonstrate. In the concluding remarks is the statement that "the Department of Agriculture invites correspondence * * * * * and will be prepared to advise for or against any particular method, so far as experience and the results of experiments will permit."

The Staten Island Bird Lovers' Club, which holds its meetings in the Museum every six weeks, has inaugurated a bird house contest among the grammar school pupils of the island, with the dual purpose of advancing an interest in wild birds and of creating a supply of bird houses which may be used in an effort to increase the bird population of Staten Island.

The sum of \$40.00 is to be distributed in prizes, the island having been divided into four sections, each to receive one-fourth of the above amount. The first premium in each division is to be four dollars, the second three dollars and there will be four third prizes, each to be a leather-bound edition of Reed's Pocket Bird Guide.

After the judging is done it is planned to assemble at the Museum the bird houses selected for the finals. The prize winning houses become the property of the Club, but there will be nearly a hundred nesting boxes remaining and these will be offered for sale to the public at the prices placed on the boxes by the pupils who constructed them. Members of the Association particularly are invited to take advantage of this opportunity to secure bird houses for use during the present nesting season.

The bird boxes which remain at each school after the judges have selected the semi-finals (five boxes from each school) should be either put up in trees, woods and orchards by the children for the convenience of the birds or placed on sale at each school. This would result in putting to a practical use nearly every house made during the competition.

The sale of bird houses at the Museum will begin on Monday May 3, and continue daily during museum hours until all the houses are sold.

Accessions to the Museum and Library have been received from Frank Baker, Howard R. Bayne, N. L. Britton, Howard H. Cleaves, Mrs. James Cornell, W. T. Davis, E. C. Delavan, Jr., Miss Emma Durant, through C. Stuart Gager, C. S. Egbert, Arthur Hollick, Raymond R. Morris, G. W. Robinson, Edward M. Stothers, L. L. Tribus.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and scientific records of the meetings of the Association and are sent free to all members and patrons in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 10 (Whole No. 82)

MAY 1915

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly hall of the Museum, 154 Stuyvesant place, St. George, on FRIDAY EVENING, MAY 21, 1915, at 8:15 o'clock. Reports will be presented by the officers of the Association and the Board of Trustees; and five trustees are to be elected to fill vacancies which will occur by reason of the expiration of the terms of office of Howard R. Bayne, William T. Davis, Charles A. Ingalls and S. McKee Smith.

As already announced by postal card a meeting will also be held on Saturday afternoon May 22, at the old colonial cottage on New Dorp Lane and Cedar Grove Avenue, New Dorp, to formally assume possession of the property recently donated to the Association by Dr. Nathaniel L. and Mrs. Britton.

ARTHUR HOLICK,
Secretary.

The bird house contest, conducted among the school children by the Bird Lovers' Club, and mentioned in the last Bulletin, was concluded the latter part of April and proved to be a surprising success. A total of 232 bird houses were constructed, of which 127 were brought to the Museum. Of these, 24 received prizes and 12 were given honorable mention. About a dozen were entered by girls, two winning prizes—one a first.

Great originality was displayed by many of the contestants both in the matter of design and the selection of materials. However, in spite of the specific suggestions furnished the schools at the opening of the competition regarding proper dimensions, etc., for correct bird houses, there were nevertheless many grotesque and useless creations submitted. Probably the most common mistake made was that of building the bird box too closely after the pattern of a human dwelling, with several windows, two or more rooms, a doorway on the ground floor, a chimney, an elaborate front porch and, frequently, with too much space in the interior of the house.

It was particularly interesting that two out of the four first prize houses should have been from pupils who had never taken shop work of any kind; and that many of the poorest houses came from certain schools where shop work is emphasized. It is true, on the other hand, that bad houses were often encountered

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

in schools lacking shop work; and that some schools having manual training submitted work of the highest rank.

The prices placed on the various bird boxes by their respective makers proved a source of considerable amusement. A few excellent wren and bluebird boxes were marked as low as twenty and twenty-five cents, while one fantastic structure was labelled three dollars and fifty cents; and one boy had rated his rather elaborate, but not altogether practical, log-cabin house at six dollars!

That considerable interest was taken in the bird boxes when exhibited at the Museum was indicated by the four hundred and fifty visitors who came during the first nine days of the display for the express purpose of viewing the houses. About fifty of the houses were sold to the public — one purchaser taking eight houses and two others buying five each. The money received for them was returned to the juvenile builders of the houses in all parts of the island.

H. H. C.

Among the many valuable and timely publications recently issued by the United States Department of Agriculture is *Bulletin No. 175*, on *Mushrooms and Other Common Fungi*, by Flora W. Patterson and Vera K. Charles. This is a pamphlet of sixty-four pages and thirty-eight plates, containing descriptions and illustrations of practically all the edible and poisonous fungi with which anyone is likely to come in contact, either incidentally or if interested in collecting and studying them. The object of the publication is explained in the opening paragraph of the introduction as follows: "The desirability of a Government publication for free distribution by the aid of which the amateur collector may distinguish poisonous and edible species of fungi is suggested by the present-day tendency to popularize science, the increased general interest in nature-study subjects and the special interest manifested in the subject of mushrooms."

Parts I and II, Volume V, of the Proceedings, issued April 24, are being mailed to members of the Association. Only members in good and regular standing are entitled to receive the Proceedings.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913-May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 11 (Whole No. 83)

JUNE 1915

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

At the annual meeting of the Association held on Friday evening, May 21, the following members were elected trustees for the ensuing term of three years: Howard R. Bayne, William T. Davis, Charles A. Ingalls and Samuel McK. Smith.

At the annual meeting of the Board of Trustees held on Saturday evening, May 29, the following officers of the Association were elected for the year 1915-1916: President, Howard R. Bayne; first vice-president, William T. Davis; second vice-president, William H. Mitchill; treasurer, Charles A. Ingalls; secretary, Arthur Hollick.

Seventy-six members and guests of the Association attended the meeting held at the old stone cottage at New Dorp on Saturday afternoon, May 22, despite the rain. Had the weather been favorable the attendance would, undoubtedly, have been much larger, as 127 had signified their intention to be present.

Luncheon was served indoors, after which President Howard R. Bayne addressed the meeting and explained the scope and significance of the gift of the property to the Association by Nathaniel L. and Elizabeth G. Britton. Dr. Britton responded by expressing his gratification that the property had been placed in the hands of those by whom it would be appreciated, and read the deed of gift, in which the only stipulation was that the house should be preserved as an example of old colonial cottage architecture. Mr. J. Herbert Cubberly, who was born in the house, made some brief remarks about its occupancy by his family. Dr. Arthur Hollick, secretary, read extracts from several legal documents relating to or connected with the property, including a receipt signed by Paul Micheau for money (6 | o | 6) paid by Isaac Cubberly and dated November 25, 1762.

The general care and development of the property has been delegated by the Board of Trustees to a committee consisting of Dr. John Q. Adams, Dr. Nathaniel L. Britton and Dr. Arthur Hollick; and Mr. and Mrs. Frederick L. Stoddard were appointed resident custodians and are now in immediate charge of the premises.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The Board also decided that the official designation of the house shall be the Britton Cottage.

At the last meeting of the Board of Trustees the following were elected to active membership in the Association: Louis Bache, New York; Chester A. Cole, West New Brighton. Dr. and Mrs. Nathaniel L. Britton were elected patrons of the Association.

The bird house contest under the auspices of the Bird Lovers' Club, mentioned in the April and the May BULLETIN, was a thorough success from every point of view. Incidentally it may be of interest to our members to learn that of the 127 houses placed on display in the Museum and offered for sale only 39 remained unsold when the exhibit was closed.

A publication of timely interest, recently issued by the U. S. Department of Agriculture, is *Farmers' Bulletin* No. 659, "The True Clothes Moths," by C. L. Marlatt. A footnote on the first page states that "This bulletin is of interest to householders and to those who have anything to do with fur and wool, in either the raw or the manufactured state." Aside from the practical, economic information contained in this bulletin, however, there is also information of scientific and historical interest. Apparently all of these household pests are of Old World origin, as are most of the weeds that trouble the farmer and gardener, and they have all followed in the wake of civilization into the New World.

Accessions to the Museum and Library have been received since the last list was printed in the April BULLETIN from the following persons: Mrs. E. G. Britton, J. Herbert Cubberly, Edward Farley, Charles Kipper, C. W. Leng, Jr., Richard Mansfield, Raymond Morris, Charles Pfizer & Co., Alanson Skinner, Edward M. Stothers, D. M. Van Name, Silas C. Wheat.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913 - May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. I, No. 12 (Whole No. 84)

JULY 1915

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

NOTICE TO MEMBERS.

To each member whose dues have been paid for the fiscal year 1915-16 a certification card has been transmitted. *This should be signed and retained as a certificate that the holder of the card is entitled to all the privileges of membership in the Association.* Certain special notices and invitations, and other privileges, may be restricted to the holder of such cards. They may also serve as identification cards, whenever identification by signature may be advisable or necessary.

The Britton cottage, under the resident custodianship of Mr. and Mrs. Frederick L. Stoddard, is now open for the inspection of members and visitors. Members who present certification cards are entitled to free admission to the house and grounds at all reasonable hours. To others, and to casual visitors, an entrance fee of 25 cents will be charged.

An interesting loan exhibit of sculpture has recently been installed in the museum by a special committee consisting of Dr. J. Q. Adams, honorary curator of the department of Arts and Antiquities, Mr. Robert W. Gardner and Mr. Carl E. Tefft. A full account of the exhibit will be printed in the August number of the Bulletin.

The undersigned, while on vacation during the latter part of June, devoted his energies, as usual, chiefly to the study and photography of wild bird life. A brief trip was made to the Newark, New Jersey, marshes where there are certain birds not to be found breeding elsewhere within a considerable radius of New York City. The remaining time was spent at Cape Cod, Mass., principally in Falmouth township. In all, fifty-five different species of birds were noted there, the rarest being a breeding pair of olive-sided flycatchers (*Nuttallornis borealis* Swains)—not generally supposed to be found nesting in Massachusetts except in the northern, mountainous portion of the state. The nests of

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

such species as Cooper's hawk, purple finch, hummingbird, wood pewee, cedar waxwing, pine warbler, chickadee, vesper sparrow, tree swallow and others were also observed.

Both adult and immature bald eagles were seen daily—as many as five being noted at one time. Their tracks also were found on the sandy beaches of Ashumet and John ponds, where the birds had no doubt been in search of dead fish. On these same beaches were discovered the hoof marks of Virginia deer, an animal which is reported as increasing in that portion of the Cape.

H. H. C.

An interesting lot of hybrid oak seedlings together with others representing the parent species, may now be seen in the museum grounds. One series, grown from acorns collected at Tottenville, contains Willow Oak, *Quercus Phellos* L., at one end and Red Oak, *Q. rubra* L., at the other, with the hybrid form, *Q. heterophylla* Michx., in between. A second series, grown from acorns collected at Cliffwood, N. J., are apparently all forms of *Q. Rudkini* Britton, a hybrid between the Willow Oak and the Black-Jack Oak, *Q. Marylandica* Muench. One typical specimen of *heterophylla* was transplanted to the grounds of the Britton Cottage early in the year and is thriving in its new and, we hope, permanent home. Certain specimens of *Rudkini* will be selected and transplanted in the autumn.

This is a unique exhibit which our members should not fail to see while the series are intact and the leaves are in good condition.

Accessions have been received from Mrs. E. Davis, Miss Emma Durant, Stafford C. Edwards, John Hall, Arthur Hollick, Agnes L. Pollard, Charles F. Walters.

Special mention should be made of Mr. Walters' donation, consisting of volume II of the New York and Richmond County Free Press, dating from May to October, 1833. It was issued in four-page weekly numbers and contained innumerable news items, notices and advertisements of local historical interest.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913 - May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN

OF THE

STATEN ISLAND ASSOCIATION

OF

ARTS AND SCIENCES

NEW SERIES

VOLUME II

August 1915 to July 1916

Edited for the Publication Committee

by

ARTHUR HOLICK, Secretary

New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. II, No. 1 (Whole No. 85)

AUGUST 1915

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

NOTICE TO MEMBERS.

The July issue of the BULLETIN was a source of trouble and uncertainty to editor, members and exchanges. It was prepared at a time when the most important administrative duties of the year demanded our attention, which explains the presence of several typographical errors, and subsequently a mistake was discovered in connection with the mailing.

Kindly advise the undersigned if you failed to receive your copy of the issue mentioned and one will be transmitted.

ARTHUR HOLICK,
Secretary.

On Saturday, July 24, the Torrey Botanical Club of New York held a field meeting at Great Kills to celebrate the first anniversary of Salt Water Day on Staten Island, which was inaugurated last year with such notable success. Twenty-eight persons, including several members of our Association were in attendance. During the morning the woods between the railroad and the shore were explored. At 1:30 a shore dinner was served at Sauer's Hotel, followed by brief addresses by Dr. Robert A. Harper, president of the Club, Dr. N. L. Britton, representing the New York Botanical Garden and Dr. Arthur Hollick, representing the Staten Island Association of Arts and Sciences, who were introduced by Dr. William Mansfield, of the New York College of Pharmacy. After dinner a trip by motor boat was made to Crooke's Point, where the flora of the sand dunes was studied, and the interesting phenomena of progressive shore erosion and sandspit development were observed and explained.

In the same mail with this issue of the BULLETIN each member will receive a special notice in regard to preliminary arrangements for a "Salt Water Day" on Wednesday, September 8, to which it is hoped there will be an appreciative response. Such meetings afford pleasant opportunities to meet, in an informal and social way, others who are interested in scientific work, either professionally or as amateurs. They are meetings of scientists rather than scientific meetings, and this distinction is readily understood by those who have once attended such a function.

The public and members of the Association are invited to make more frequent use of the reading table in the Museum Library. The reading matter on this table consists chiefly of popular publications of current interest. *Country Life in America*, the *Garden Magazine*, *Recreation*, *Bird-Lore*, the *Guide to Nature*, the *Game Breeder* and the *Oregon Sportsman* are monthly publications which are kept constantly available for the use of readers. There are also many exchanges, such as the *American Museum Journal*, and *Government Bulletins*, as, for example, *Fifty Common Birds of Farm and Orchard*, besides numerous pamphlets of a pertinent and seasonable nature, on *Fungi*, *Edible* and *Poisonous*, *House Flies*, etc.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The sculpture exhibit installed by a special committee of the Section of Art is to be on view in the museum until October 1. This, we believe, is the first general exhibit of modern sculpture ever shown on Staten Island, so that not only is it an innovation, but it is also a rare opportunity for Staten Islanders to see here, at home, the works of many of our greatest sculptors. We feel that it is not out of place to imitate the New York Common Council of 1820, when a large painting was shown in the city, and the Council passed a resolution urging the public "to avail themselves of an opportunity to improve their taste."

Where all is of such great excellence and many are masterpieces, it would be unwise to single out individual pieces for praise. Any exhibition of sculpture would be interesting if it contained the work of any one of the eight or ten great sculptors whose work is shown at this exhibition, and the excellence of the whole exhibit is vouched for by the list of exhibitors appended.

The committee has succeeded in giving great variety to the exhibition and making it one that can be enjoyed by old and young alike. There are portrait statues of two of our greatest Americans, Abraham Lincoln and Mark Twain, and several ideal figures, while the children will find charming bronze animals, both wild and domestic. We may add for the benefit of the young people that they are to examine these pieces as though they were alive, and judge of their excellence by their own experiences. They have all seen dogs, cats, horses and cows, and other animals in the "zoo," and if these pieces are examined carefully, it can easily be seen that the bronze animals are "alive."

A full list of exhibitors and subjects is as follows: Portrait Head, C. G. Kolff, Horse, Study for Fountain, Hound Dogs, *Mrs. Wm. Knauth*; Kangaroo, *Miss Lawson*; Nymph and Pan, Mother and Child, The Mother, *Mrs. Elizabeth Sturtevant Bliss*; Bear and Tiger, Fox, Bear Cubs, Bear and Cubs, *E. W. Deming*; Portrait Head, Panama Medals, *Robert Aitkin*; Playfulness, Lassitude, *Paul Manship*; Abraham Lincoln, Mark Twain, *John Gelert*; The Barry Medals, Vanity, *John J. Boyle*; Portrait Head, *Mrs. Harry Payne Whitney*; Torso, *Alice Morgan Wright*; Puppy Dogs, Horse, *Laura Gardin*; The Debutante, *Herbert Adams*; Stork, *Eugenie Shannard*; Panther, *Miss Hyatt*; Fawn, Stalking Panther, Bison, *A. Phinster Proctor*; Nathan Hale, *Frederick MacMonnies*; Diogenes, *George Bissell*; Child's Head, Portrait Bas Reliefs, *B. Bufano*; Elephant, *Eulalie A. Pardee*; Augustus St. Gaudens, *George Brewster*; Abraham Lincoln, Study of a Head, *Daniel Chester French*; The Sun Vow, Indian Dancer, *Hermon MacNeill*; A Breezy Day, *Mrs. Hermon MacNeill*; Three small pieces, *Nicolo Tocco*; Portrait Bust, *Mr. Frazier*; Abraham Lincoln, *Victor D. Brennan*.

J. Q. A.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913-May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

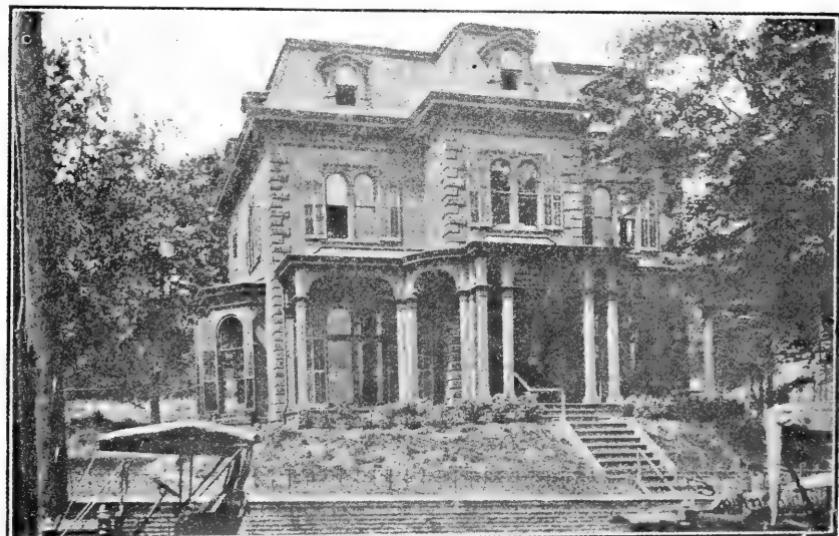
MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. II, No. 2 (Whole No. 86)

SEPTEMBER 1915

Edited for the Publication Committee

by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

NOTICE TO MEMBERS.

SCULPTURE EXHIBIT

The attention of our members is called to the fact that during this month will probably be the last opportunity to view the loan exhibit of sculpture in the museum, inasmuch as it is the intention of the committee having it in charge to remove the exhibit on or about October 1.

BRITTON COTTAGE

The Britton Cottage is open at all reasonable hours to all members of the Association who possess identification cards mailed from the office of the treasurer, which they are requested to show to Mr. or Mrs. Frederick L Stoddard, resident custodians, when visiting the premises. Visiting members are also requested to register their names in a book provided for the purpose.

On Wednesday, September 8, sixty-four members and guests of the Association enjoyed a "salt water day" at Great Kill, as Staten Island's contribution to the entertainment of the botanists in attendance at the twentieth anniversary of the New York Botanical Garden. Other functions were held during the week at the New York Botanical Garden, the Brooklyn Botanical Garden and elsewhere, and ours was as well attended and, apparently, as thoroughly appreciated as any. A number of visitors from the interior had never before enjoyed an opportunity to observe and to study our coastal vegetation in its natural environment, and the salt marsh, sea beach and sand dune floras were full of interest for them. Many species familiar to us were collected for herbarium specimens and a number of photographs of characteristic features were taken. One of the most striking was a group picture showing the party on the edge of the salt

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

marsh, with a background of the tall reed grass, *Phragmites Phragmites* (L.) Karst. The weather was perfect and the program for the day was carried out successfully, according to program. The border of the salt marsh area was explored during the morning, under the guidance of Dr. N. L. Britton and Dr. Arthur Hollick. At 1:30 p.m. a shore dinner was served at Sauer's hotel, which was also a novel feature for those who were strangers to salt water, and later a visit was made to Crooke's Point by motor boats. Beach plums, *Prunus maritima* Wang., the sand cactus, *Opuntia Opuntia* (L.) Coul., and the sand dune and salt marsh grasses, rushes and sedges were objects of special interest to those who had never before seen them growing.

For the complete success of the occasion the Association is indebted to the following members whose individual contributions to the entertainment fund amounted to \$74.50.

John Q. Adams, Louis Bache, Darwin L. Bardwell, Miss Bertha G. Brooks, Mrs. Herbert Crabtree, Miss Bessie E. Davis, Mrs. Elizabeth Davis, William T. Davis, Samuel M. Dix, Mrs. Anna G. DuBois, Eberhard Faber, Lothar W. Faber, Daniel D. Feldman, Oliver P. Geoffroy, Miss Mary W. Green, J. Blake Hillier, Anton W. Hoffmeyer, Mrs. Anton W. Hoffmeyer, Arthur Hollick, George S. Humphrey, Charles A. Ingalls, Henry C. Johnston, Cornelius G. Kolff, Mrs. Ethel L. Kraft, Charles W. Leng, George L. Mitchill, William H. Mitchill, Christian E. Olsen, James J. Reynolds, Anton L. Schwab, Mrs. Emily Sears, Charles M. Shipman, James R. Walsh, Walker Washington, F. Winthrop White, John J. Wood.

Accessions to the Museum and Library have been received during the last two months from the following persons: Howard R. Bayne, Mrs. E. L. Blake, John J. Breen, A. H. Cleaves, Mrs. E. Davis, Wm. T. Davis, John Hall, Arthur Hollick, Miss Elizabeth Loeffler, Thomas Murphy, John Rader, Miss Muriel Ross, Alan-son Skinner.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913-May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. II, No. 3 (Whole No. 87)

OCTOBER 1915

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly hall of the Museum, 154 Stuyvesant Place, Saint George, on FRIDAY EVENING, OCTOBER 15, 1915, at 8:15 o'clock. Brief communications of general interest will be presented.

Members will please note that the following proposed amendment to the first paragraph of Section 2, By-law 1, will be submitted for action at this meeting: "Regular meetings: The regular meetings of the Association shall be held on the third [Friday] Saturday evening of each month from October to May inclusive."

ARTHUR HOLICK,
Secretary.

The next stated meeting of the Section of Applied Science (formerly the Section of Engineering, Architecture and Allied Professions) will be held in the assembly hall of the Museum, on Saturday evening, November 6, 1915. Mr. Henry P. Morrison, Commissioner of Public Works of the Borough of Richmond, will deliver an address on Evolution of Street Pavements. All members of the Association are invited to attend this and other meetings of the section.

The section has arranged the following schedule for the remainder of the season 1915-16:

Saturday, December 4, 1915. W. G. Hamilton. Certain Features of Hydro-Electric Development.

Saturday, January 8, 1916. J. T. Fetherston. City Waste Disposal.

Saturday, February 5, 1916. E. D. Boyer. Cement Manufacture.

Saturday, March 4, 1916. J. P. Hogan. Construction of the Narrows Crossing of the Catskill Aqueduct.

Saturday, April 1, 1916. O. H. Amman. Hell Gate Bridge Development.

Saturday, May 6, 1916. Annual Meeting of the Section.

The section has also arranged for a joint meeting with the Association at its regular meeting in January, on which occasion Mr. Thomas Hastings, of the firm of Carrere and Hastings, will deliver an address on Modern Architecture.

At the stated meeting of the Board of Trustees held on October 2 the following were elected to active membership in the Association: Samuel R. Brick, Jr., Charles E. Tefft, New Brighton; Lewis B. Woodruff, New York. Mr. Woodruff qualified as a life member.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

110
NEW
STATEN
ISLAND
MUSEUM

At the same meeting the secretary announced that he had been authorized by a member of the Association to state that a contribution of \$1,000.00 would be forthcoming towards a fund for the purchase of the Billopp House at Tottenville, provided such purchase can be satisfactorily arranged and the balance of the purchase price is secured, and the ownership and control of the property be vested in the Association.

Members who are interested in zoology will be pleased to hear that the entire collection of reptiles and batrachians has been thoroughly overhauled and arranged so that the specimens are readily accessible for examination and study. Lack of space, however, precludes the possibility of placing them on display in the Museum.

Incidentally it may be mentioned that four young copper-head snakes have recently been added to our live stock, and that the pine snake, which was for years an interesting feature of our museum, recently died.

With the temperature dropping regularly to 50 and 48 degrees during these early October nights we are reminded that later in the month the grape leaves will be curled at the edges and the squash vines blackened by the first frosts. The time will then have arrived for the placing of food for the winter birds. This should not be delayed until the season of severe storms and low temperatures. Winter birds are already here. It is their habit to scout, in bands, for the best foraging grounds and when a fixed food supply (feeding station) is discovered the birds are likely to form the habit of visiting it daily.

“Wild Bird Guests: How to Entertain Them” is the title of a book by Ernest Harold Baynes (published recently by E. P. Dutton & Co., N. Y.) which gives valuable directions for attracting birds the year 'round. Special stress is laid on the importance and the joy of supplying rations to the birds during the winter months.

H. H. C.

Since the last issue of the *Bulletin* accessions to the Museum and Library have been received from George Cromwell, William T. Davis, Joseph Denelfo, J. Blake Hillyer, Arthur Hollick, Miss Agnes von Puttkamer, Carl Winzel.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and were included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913-May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

St. 12

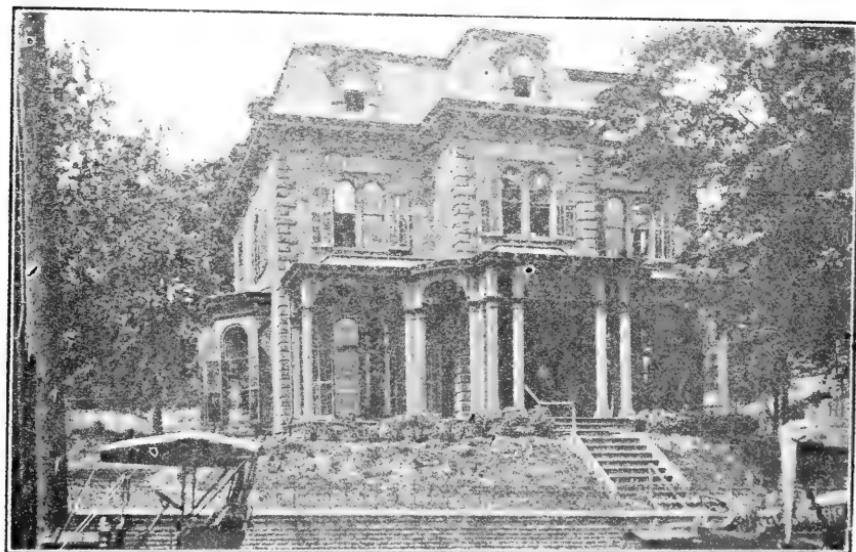
MUSEUM BULLETIN OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

New Series Vol. II, No. 4 (Whole No. 88)

NOVEMBER 1915

Edited for the Publication Committee

by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION
will be held in the assembly hall of the Museum, No. 154 Stuyvesant Place, Saint George, on SATURDAY EVENING, NOVEMBER 20, 1915, at 8:15 o'clock. Members of the Section of Historical Research will present communications descriptive of recent accessions of local historical interest.

ARTHUR HOLICK,
Secretary.

The next stated meeting of the Section of Applied Science will be held in the assembly hall of the Museum on Saturday evening, December 4, 1915. Mr. W. G. Hamilton will present a paper on "Certain Features of Hydro-Electric Development."

The Museum's Friday afternoon lectures for the season 1915-16, for school children of the fourth grade and above, began on October 29 with a talk by Mr. Cleaves on "The Bird and the Bird House," illustrated by lantern slides and by examples of good and bad bird house building, from houses made by school children for the contest held last spring under the auspices of the Bird Lovers' Club.

The second lecture was by Mr. C. H. Rogers, of the American Museum of Natural History, his subject being "Our South American Neighbors." At both of these lectures the assembly room was filled to its capacity, and Mr. Cleaves' talk was given a second time before a large class of children, who with their teachers, had walked to the museum from P.S. 34, at Fort Wadsworth.

The titles of the remaining lectures to be given during November are as follows:

November 12. "Haiti—the Black Republic." Mr. Norman Taylor, of the Brooklyn Botanic Garden.

November 19. "Whales and Other Sea Animals." Mr. Robert Cushman Murphy, of the Brooklyn Museum.

November 26. "Six Months in the Arizona Desert." Mr. Dwight Franklin.

The December course will be announced later.

A new exhibit, recently installed in the Geology and Local Anthropology room, shows a variety of stones shaped by natural agencies, but bearing so close a resemblance to the stone implements made and used by the Indians as to deceive any but the most expert student of Indian artifacts.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

On Tuesday afternoon, November 9, a meeting of the Daughters of the American Revolution was held at the Britton Cottage, under the auspices of Mersereau Chapter, of which Mrs. Caroline V. R. Wright is regent. The exercises consisted of prayer by the Rev. Otto L. F. Mohn; address of welcome on behalf of the Association by Dr. Arthur Hollick; address by the guest of honor, Mrs. Benjamin F. Spraker, State Regent, N. S. D. A. R.; and an historical account of the cottage and how it came into the possession of the Association, by Dr. Hollick. Refreshments were served afterwards and the cottage was thrown open for inspection throughout. One room has been set aside for the installation, by Mersereau Chapter, of objects of historical interest, and it is hoped that the other local chapters may utilize the cottage for a meeting place and contribute to its furnishing, either by the donation or the loan of suitable material.

A double-crested cormorant (*Phalacrocorax auritus auritus* Lesson) was shot at South Beach, Staten Island, on October 14, 1915, by Mr. Lambert O'Neill, and presented to the museum. The bird has since been mounted and is on exhibition in the main hall of the museum, on the first floor.

The cormorant is a bird which nests in Canada from Nova Scotia to Saskatchewan and northward along the shores of Labrador and Hudson Bay. It is irregular and unusual in Staten Island waters, though during April and May and again in the months from August to November it occurs, quite regularly, off the Long Island shore and in other portions of the neighboring coasts.

Cormorants subsist entirely on fish, which they secure by diving and swimming. It is said that the speed attained by this bird beneath the water is so great that no fish has a chance of escape in the open. Newton says of the bird: "Taken when young from the nest, this bird is easily tamed, and can be trained to fish for its keeper, as was of old time commonly done in England, where the Master of the Cormorants was one of the officers of the royal household." The Chinese have used the cormorant in like manner for centuries.

H. H. C.

Accessions were received from the following persons during October: Howard R. Bayne, Wm. T. Davis, John DeMorgan, E. N. Dixon, Gustav Grabe, Mrs. Edward Hett, Arthur Hollick, Angelo W. Leman, A. A. Michell, Mrs. A. J. Newbury, Lambert O'Neill, W. D. Twiggs.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913-May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. II, No. 5 (Whole No. 89)

DECEMBER 1915

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held on SATURDAY EVENING, DECEMBER 18, 1915, at 8:15 o'clock, in the assembly room of the Museum building, 154 Stuyvesant Place, Saint George. Mr. Frank W. Skinner, C. E., will deliver a lecture based upon recent personal experiences and observations in the European war zone, illustrated by lantern slide reproductions of photographs taken in the field, sketches, and drawings from authentic sources. Mr. Skinner designed, supplied and erected structures and devices for hospital, camp and trench protection for the British and Belgian armies, and was employed as consulting engineer to the Crown Prince of Serbia.

This will be an unusual opportunity for our members to learn, at first hand, from a trained technical observer, many of the wonderful features of modern military development. Visitors are welcome at all regular meetings of the Association, and members are urged to invite to the meetings any friends who may express a desire to attend. Light refreshments are served and an informal reception is held, by the Woman's Auxiliary Committee, after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

THE NEXT STATED MEETING OF THE SECTION OF APPLIED SCIENCE will be held on SATURDAY EVENING, JANUARY 8, 1916, in the assembly room of the Museum. Mr. John T. Fetherston, Commissioner of the Department of Street Cleaning, will deliver an address on City Waste Disposal. Mr. Fetherston has acted as consulting engineer for the city of Chicago on the problem of garbage disposal, and is a recognized authority on the subject of snow removal.

GEORGE L. MITCHILL,
Recorder.

The second course of Children's Lectures opened on December 3 with a lecture by Mr. George P. Engelhardt, of the Brooklyn Museum, on "A Visit to the Bahama Islands;" the second lecture being by Mr. John J. Schoonhoven, President of the Department of Zoology of the Brooklyn Institute of Arts and Sciences, on "A Sea-shore Walk with a Naturalist."

The remaining lectures of the course are as follows: December 17, "Studying Birds with the Camera," Mr. B. S. Bowdish; December 24, "Christmas Folk," Mr. J. L. G. McMahon; December 31, "A Boy's First Trip on the New York Ferry," Mr. David Varon.

At the last stated meeting of the Board of Trustees the following were elected to active membership in the Association: W. V. Barnes, Solon J. Stone, New Brighton; George Sheridan, West New Brighton.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

On Saturday evening, November 27, Doctor and Mrs. Nathaniel L. Britton were the guests of honor at a complimentary dinner tendered to them by the Board of Trustees, in recognition and appreciation of their gift to the Association of the Britton Cottage at New Dorp and their many other evidences of interest in the activities of the Association.

Those present were Dr. and Mrs. Britton, Hon. Howard R. Bayne, Miss Mary A. M. Bayne, Hon. Calvin D. Van Name and Mrs. Van Name, Mr. and Mrs. William H. Mitchell, Dr. and Mrs. John Q. Adams, Mr. and Mrs. William G. Willcox, Mr. and Mrs. Charles A. Ingalls, Dr. and Mrs. Arthur Hollick, Mrs. James R. Walsh, Miss Agnes L. Pollard, Mr. William T. Davis, Mr. S. McKee Smith and Mr. Howard H. Cleaves.

The Staten Island Bird Lovers' Club held a meeting in the assembly hall of the Museum on the afternoon of December 8. About twenty-five members were present, including some juniors.

Mr. Cleaves, as chairman of the committee on ways of attracting birds, reported that a hundred "loaded cocoanut" feeding devices, containing fifty pounds of suet, had been prepared and were being distributed among the members. Ten of these devices, it was stated, had been placed in the grounds of the Moravian Cemetery at New Dorp.

Mr. Cleaves also reported that Dr. N. L. Britton had cooperated with the club in furnishing ample funds with which to install food stations and nesting boxes in the grounds surrounding the Britton Cottage on New Dorp Lane. A part of the equipment is already in position.

A statement giving results from the eleven Berlepsch nest boxes which were placed in the Moravian Cemetery on May 19, 1915, showed that all but one of the houses had been used either as a nesting or a roosting place; and that probably not fewer than thirty-four young birds had been reared in the boxes during the rather brief season — the majority of these being wrens. None of the nesting boxes had been used by English sparrows.

Since the last issue of the BULLETIN accessions to the Museum collections and Library have been received from the American Numismatic Society, Hon. Howard R. Bayne, Mrs. E. L. Blake, A. H. Cleaves, Howard H. Cleaves, Mrs. James L. Devlin, John Hall, Arthur Hollick, Raymond R. Morris, W. S. Rockwell, George W. Tuttle, Mrs. Caroline V. R. Wright.

The more noteworthy of these were exhibited and commented upon at the November meeting of the Association.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913-May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. II, No. 6 (Whole No. 90)

JANUARY 1910

Edited for the Publication Committee

by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held on SATURDAY EVENING, JANUARY 15, 1916, at 8:15 o'clock, in the assembly room of the Museum building, 154 Stuyvesant Place, Saint George.

The program will be arranged by the Section of Applied Science. The lecturer previously announced for the evening, Mr. Thomas Hastings, has been unexpectedly called away from New York and will not be able to be present.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite to the meetings any friends who may express a desire to attend. Light refreshments are served and an informal reception is held, by the Woman's Auxiliary Committee, after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

THE NEXT STATED MEETING OF THE SECTION OF APPLIED SCIENCE will be held on SATURDAY EVENING, FEBRUARY 5, 1916, in the assembly room of the Museum building. Mr. E. M. Boyer will deliver an address on Cement Manufacture.

The third course of free illustrated lectures for children began on Friday January 7, with a lecture by Mr. C. R. Tucker, on "A Visit to the Wisconsin Indians." The remainder of the schedule is as follows: January 14, "A Little Journey through Holland to Switzerland," Mrs. F. W. Skinner; January 21, "The Story of the Telephone," Mr. G. F. Hafstrom; January 28, "The Statue of Liberty," Mr. Carl E. Tefft.

On Tuesday, December 28, the regular meeting of Richmond County Chapter, Daughters of the American Revolution, was held at the Britton Cottage. Mrs. T. Livingstone Kennedy, regent of the chapter, presided, and seventeen members and guests were present. Dr. Arthur Hollick represented the Association and explained the approved policy of the Board of Trustees in tendering the Cottage to the several local chapters of the Daughters as a meeting place, in return for their proffered assistance in contributing to the furnishing of the Cottage with material suitable to it.

"How many birds are there on Staten Island?" is one of the questions asked by visitors at the Museum. This inquiry is not easily answered, as may be gathered from the following. Probably 200 species might be noted on the island if diligent search were made throughout the twelve months of the year. Of these about 70 remain here to rear their young. At the height of

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

the spring migration in the middle of May one may enumerate from 75 to 95 species in a single day. During the winter months, on the other hand, it becomes a matter of some difficulty to pass the three-dozen mark during the course of a single day's walk, owing to the low ebb of bird life and to the shortness of the days at this season.

The so-called Christmas Bird Census, taken by hundreds of observers throughout the United States and Canada at the Christmas season, brings together a mass of information relating to the winter bird population. The following census, taken on Staten Island December 28, 1915, by Mr. H. K. Decker, it is hoped will be noted by those who are interested in "How many birds are there on Staten Island?"

Great black-backed gull, 15; Herring gull, 1500; American scaup duck, 37; Bufflehead, 7; American goldeneye, 9; Old squaw, 2; Great blue heron, 2; Wilson snipe, 1; Marsh hawk, 1; Red-shouldered hawk, 2; Sharp-shinned hawk, 1; Sparrow hawk, 2; Short-eared owl, 1; Screech owl, 2; Hairy woodpecker, 2; Downy woodpecker, 9; Northern flicker, 3; Bluejay, 7; American crow, 60; Starling, 221; Meadowlark, 35; American goldfinch, 3; Vesper sparrow, 1; Ipswich sparrow, 2; Sharp-tailed sparrow, 1; White-throated sparrow, 4; Tree sparrow, 75; Field sparrow, 2; Slate-colored junco, 79; Song sparrow, 21; Swamp sparrow, 2; Cardinal 8; Winter wren, 1; Brown creeper, 2; White-breasted nuthatch, 10; Tufted titmouse, 5; Chickadee, 20; Golden-crowned kinglet, 1; American robin, 3. Total : 39 species; 2159 individuals.

H. H. C.

Accessions to the Museum and Library have been received from the following persons during the last month: N. L. Britton, H. H. Cleaves, James Cozzens, Mrs. E. Davis, Harold K. Decker, R. P. Dow, H. Wm. Ferdinand Feldman, Joseph Forlanzo, Alaric Hansen, Arthur Hollick, Ed. Kiedrowski, Wallace Goold Levison, J. L. G. MacMahon, Wm. McGrath, James Schell, Albert Silva, Oliver Silva, Wilbur F. Smith, Fred. Stucker.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913 - May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. II, No. 7 (Whole No. 91)

FEBRUARY 1916

Edited for the Publication Committee
by ARTHUR HOLLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held on SATURDAY EVENING, FEBRUARY 19, 1916 at 8:15 o'clock, in the assembly room of the Museum building, 154 Stuyvesant Place, Saint George. Mr. Stafford C. Edwards will deliver an illustrated lecture on "Quito, Ecuador: a city of great altitude and no latitude," based upon personal observations and experiences.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite to the meetings any friends who may express a desire to attend. Light refreshments are served and an informal reception is held, by the Woman's Auxiliary Committee, after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

THE NEXT STATED MEETING OF THE SECTION OF APPLIED SCIENCE will be held on SATURDAY EVENING, MARCH 4, 1916. Mr. John P. Hogan, Division Engineer of the New York City Board of Water Supply, will deliver an illustrated address on the "Construction of the Narrows Crossing of the Catskill Aqueduct." Members of the Association who wish to receive the regular notices of the section meetings should enroll as members of the section.

GEORGE L. MITCHILL,
Recorder.

Recent elections to active membership in the Association by the Board of Trustees are Howard M. Tracy, Tompkinsville; L. H. Rabbage, Port Richmond; Wm. McCleary, Rosebank; Wm. J. Welsh, Stapleton; S. R. Bellows, West New Brighton; Francis D. Murphy, Brooklyn.

The fourth course of free illustrated lectures for children began on Friday February 4, with a lecture by Sergeant George Ferre of the Police Department on "The Relationship of the Police to the Children," and on February 11 Inspector James O'Connell of the Fire Department lectured on "Fire Prevention." The remainder of the schedule for the month is as follows: February 18, "The City Clean, Healthful and Beautiful," by Mr. Joseph R. Buchanan of the Department of Street Cleaning, and February 25, "Tramping and Canoeing in the Adirondacks," by Mr. J. W. Wiseman.

A complete schedule for the remainder of the season has been arranged and will be announced in the March BULLETIN.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

A summary of the results obtained by the Staten Island Bird Lovers' Club during the summer of 1915 with bird boxes placed in the Moravian Cemetery was given in the MUSEUM BULLETIN for December last. The food stations which were distributed through the grounds during the early winter have proved an even greater success.

There are about twenty-five points in the cemetery where birds may secure food. These stations consist of loaded cocoanuts, strung peanuts, and Packard automatic food houses. It is planned to vary the feeding places further and to increase the amount of food supplies. At the last meeting of the club, held February 9, funds were appropriated for the purchase of a bushel of peanuts to replace those already devoured by the nuthatches, woodpeckers, chickadees and titmice—birds that are particularly fond of peanut diet.

Ten different species of birds were seen at or near a single feeding place on the afternoon of February 7, when Mr. Ernest Harold Baynes, of Meriden, N. H., went to the cemetery in company with Mr. H. K. Decker and the undersigned. The birds that have been seen actually partaking of food during the past month are downy woodpecker, chickadee, white-breasted nuthatch, tufted titmouse, cardinal, white-throated sparrow, tree sparrow, junco and song sparrow. An active band of these birds hammering at peanuts, pecking at suet and cracking away the husks of seeds is a sight worth going to see. The cemetery is getting to be a really very live place!

H. H. C.

In the biology room there has recently been installed an exhibit of reptiles and batrachians, in glass jars, especially designed to illustrate the species of snakes, frogs, toads, salamanders and turtles found on Staten Island.

Historical material recently placed on display is (1) from Mr. Ira K. Morris, a framed photograph of the old Dutch Reformed Church at Tompkinsville, taken about fifty years ago, showing Pavilion Hill in the background covered with trees, and (2) Blood's map of New Brighton, Tompkinsville, Stapleton and Clifton, issued in 1845, presented by Mr. Wm. T. Davis and exhibited at the October meeting of the Association.

A recent acquisition to our library is Sarah Comstock's "Old Roads from the Heart of New York," which includes two chapters of local historical interest, largely based upon the author's researches in our collection of literature relating to Staten Island.

Accessions to the Museum and Library were received during January from the following persons: Philip Dowell, John Hall, Alaric Hansen, A. W. Leman, Charles R. Tucker.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913-May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

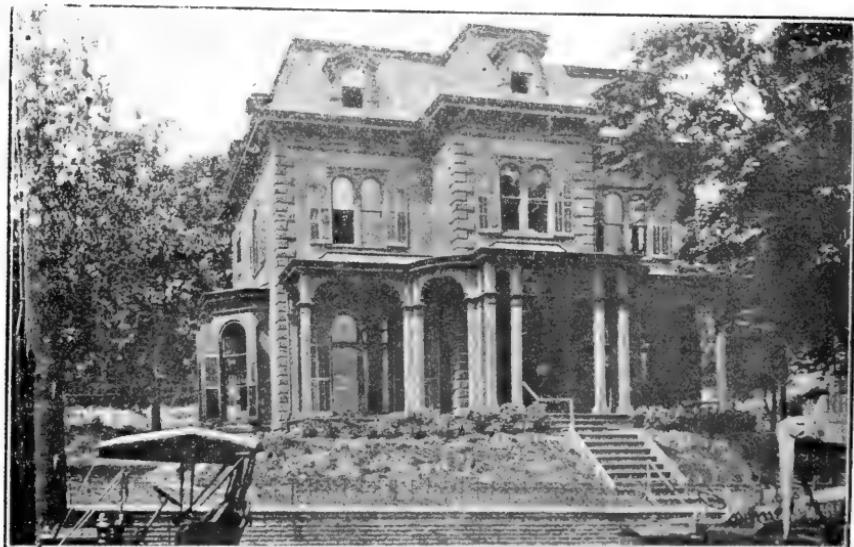
The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. II, No. 8 (Whole No. 92)

MARCH 1916

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held on SATURDAY EVENING, MARCH 18, 1916 at 8:15 o'clock, in the assembly room of the Museum building, 154 Stuyvesant Place, Saint George.

Mr. James P. Chapin will deliver a lecture, illustrated with colored lantern slides, on "Five Years in Blackest Africa." Mr. Chapin was a member of the Congo exploring expedition of the American Museum of Natural History, which departed from New York in 1909 and returned in 1915. During that time there was a period of about two years when nothing was heard from the expedition, and our members may recall the interest that was aroused at the meeting of the Association held on December 20, 1913, when a letter from Mr. Chapin was read, dated Avakubi, Congo, October 7, 1913, announcing his safe arrival there on his way home.

ARTHUR HOLICK,
Secretary.

THE NEXT STATED MEETING OF THE SECTION OF APPLIED SCIENCE will be held on SATURDAY EVENING, APRIL 1, 1916.

Mr. O. H. Ammann, assistant chief engineer of the New York Connecting Railroad, will deliver a lecture, illustrated by means of lantern slides, on "The Hell Gate Bridge Development." Mr. Ammann assisted in the designing, construction and method of erection of the bridge and is thoroughly familiar with the engineering features and problems of the work.

GEORGE L. MITCHILL,
Recorder.

The fifth course of free illustrated lectures for children began on Friday afternoon, March 3, with a lecture by Miss Jean A. Cross, of the Brooklyn Botanic Garden, on "Every Day Botany," and on March 10, Mr. J. M. Johnson lectured on "Snakes" and showed, by means of a number of live specimens, how harmless species may be tamed and handled.

The remainder of the course is as follows: March 17, "Hawaii, the Paradise of the Pacific," by Miss Mary D. Lee; March 24, "Adventures afield with Wild Birds," by Mr. Herbert K. Job; March 31, "The Haunts of Nature," by Mr. Edward F. Bigelow.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

Through the courtesy of the New York Zoological Park our museum recently acquired a pair of Guinea Pigs, which have been provided with suitable quarters in the general biology room on the second floor and have proved a great attraction to the children. Contributions of carrots, lettuce, etc., will be thankfully accepted, inasmuch as the little animals are insatiable consumers of such food supplies.

Recent elections to active membership in the Association by the Board of Trustees are John P. Maloy, R. L. Rand, C. E. Skinner, Jos. F. Sweeney, New Brighton; Charles Wyeth, New Dorp; W. J. Fleming, Hugh M. Goodwin, Stapleton; Paul Heine, J. A. Rundlett, Tompkinsville; John Milnes, Jr., Mark Milnes, Port Richmond; Geo. E. Allison, Wm. Wirt Mills, Ellarson Stout, F. C. Waddell, West New Brighton; Geo. M. Dowe, New York City.

The time of year is approaching when roads and fields will again tempt those who like to tramp over our highways and byways, and members are reminded that they may refresh their memories on points of local scientific, historical and antiquarian interest, and plan their walks in advance, by consulting the maps and literature in the library. William T. Davis' "Days Afield on Staten Island," "Homestead Graves," and "Staten Island Names, Ye Olde Names and Nicknames;" Arthur Hollick's "Reveries of a Tramp;" W. H. Rideing's "A Spring Jaunt on Staten Island;" and Sarah Comstock's "Old Roads from the Heart of New York" are suggested as works of general interest. The museum staff will always advise in regard to literature on any special locality, and members will find in the library practically everything relating to Staten Island that has ever been printed, or references to sources of information not locally available.

Accessions to the Museum and Library, since the last issue of the BULLETIN, have been received from Wm. T. Davis, E. C. Delavan, Jr., Herbert Evans, Arthur Hollick, Office National des Universites et Ecoles Francaises, Mrs. Wm. G. Willcox.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903. "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913 - May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. II, No. 9 (Whole No. 93)

APRIL 1916

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held on SATURDAY EVENING, APRIL 15, 1916 at 8:15 o'clock, in the assembly room of the Museum building, 154 Stuyvesant Place, Saint George. Under the auspices of the Section of Art, Dr. James Parton Haney, Superintendent of Drawing in the New York high schools, will deliver an illustrated lecture on "Lessons from Foreign Industrial Art Schools." Visitors are welcome at all regular meetings of the Association, and members are urged to invite to the meetings any friends who may be interested. Light refreshments are served, and an informal reception is held by the Women's Auxiliary Committee, after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

The fifth and final course of free illustrated lectures for children, for the season of 1915-16, was concluded on Friday afternoon, March 31. It may be of interest to those of our members who are not acquainted with this feature of the museum activities to know that the total attendance at the twenty-three lectures given between October 29, 1915, and March 31, 1916, was 2,300, or an average of 100 at each lecture.

It is also interesting and encouraging to note that 1,836 persons visited the Museum during the month of March, exclusive of those who attend the evening meetings of the Association, its sections and committees, and other organizations.

Recent elections to active membership in the Association by the Board of Trustees are Edward F. Washburn, New Brighton; J. K. Summers, West New Brighton; M. J. Curren, Mariner's Harbor; R. T. Pryor, Concord; Chester H. Aldrich, New Dorp.

Members will please note that, before the next issue of the BULLETIN, the final number of volume V of the PROCEEDINGS will probably be ready for distribution. This is a number of unusual interest, with six plates — four of which illustrate certain of the unique features which developed as a result of draining the Silver Lake basin in 1914, and two which accompany the historical and descriptive account of the Cubberly House or Britton Cottage at New Dorp. Copies will be mailed to all members in good standing as soon as possible after the edition is received from the printer.

Members who wish to complete their files of the PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

should send in their orders at once, as the price of these publications will probably be advanced in the near future.

A publication of timely interest, especially for those who are interested in the conservation of bird life, is "The Domestic Cat; Bird Killer, Mouser, and Destroyer of Wild Life, etc.,," by Edward Howe Forbush, recently issued as *Economic Biology—Bulletin No. 2*, of the Massachusetts State Board of Agriculture. It is a well-illustrated pamphlet of 112 pages, replete with facts and statistics of the cat's crimes and misdemeanors, and the dangers which they represent as carriers of disease.

A bird house contest is being held among the Boy Scouts of Staten Island under the auspices of the Staten Island Bird Lovers' Club. The contest will close on April 20—at which time the houses will be assembled and judged at the Museum. As in the contest held a year ago among the school children of the Island, the non-prize-winning houses of the present contest will be exposed for sale to members of the Association and the public—the money to be handed to the respective builders of the nesting boxes.

In a campaign to create better -- and if possible -- ideal conditions for wild bird life on Staten Island the Bird Lovers' Club tried a novel experiment on the night of Sunday, April 9, 1916, in the shape of a lecture in Italian for Italians exclusively. The lecture was held in the assembly hall of Public School 13, Rosebank, and was delivered by Dr. Attilio Caccini, of New York City. Both colored lantern slides and motion pictures were used -- the latter showing Col. Theodore Roosevelt visiting the great bird rookeries of the Louisiana coast.

In the course of his talk Dr. Caccini pointed out the value and beauty of the bird life of Staten Island, the necessity for protecting birds and the attitude of the law in this country with relation to the killing of wild birds. The lectures were received by an enthusiastic audience of both children and adults.

Accessions to the Museum and Library since the last issue of the BULLETIN have been received from James G. G. Ross, Gustav Grabe, Ira K. Morris, Arthur Hollick, L. McC. L. Mitchill, Wm. R. Janeway, Charles F. Walter, Stephen D. Stephens, George Sylvester, Winthrop Packard, and Estate of Mrs. Emma T. Kilmer, through Rev. F. E. Grunert.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913-May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxvii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. II, No. 10 (Whole No. 94)

MAY 1916

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.
Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly hall of the Museum, 154 Stuyvesant Place, St. George, on SATURDAY EVENING, MAY 20, 1916, at 8:15 o'clock. Reports will be presented by the officers of the Association and the Board of Trustees; five trustees are to be elected to fill vacancies which will occur by reason of the expiration of the terms of office of John Quincy Adams, Edward Willard Brown, Stafford Clarence Edwards, James Richard Walsh and William Goodenow Willcox.

ARTHUR HOLICK,
Secretary.

The annual meeting of the Section of Art will be held in the assembly hall of the Museum on Wednesday evening, May 17, 1916, at 8 o'clock. At 8:15 Mr. F. L. Stoddard will give an address on "Mural Decoration in America."

Mr. Stoddard is an expert on his subject and has had charge of important mural decorations in public buildings in St. Louis, New York and other cities. He has recently completed the decorations for the Eastern District High School in Brooklyn.

All members of the Association are invited to attend this meeting, and members of the Section of Art are especially urged to be present and to bring with them any friends who may be interested in the subject.

AGNES L. POLLARD,
Recorder.

At the regular May Meeting of the Staten Island Bird Lovers' Club, held at the Museum on the tenth instant, a general revision of the constitution was discussed and several changes made effective by a vote of the members present. One of the important changes was an alteration in the name of the club, which hereafter will be Staten Island Bird Club.

"Teddy" is with us. He came from the country of the "River of Doubt," being captured by a native and sold to the captain of a river tug on the Amazon. Later he passed into the hands of a member of the crew aboard a steamer plying between South American ports and New York City and was presented to the Museum by Mr. Harry Haywood of Princes Bay.

Coati (pronounced *kc-at'-e*) is "Teddy's" real name. His body is one-third the size of a house cat's though he will undoubtedly be larger when fully developed. His face appears to possess the

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

NEW YORK
BOTANIC
GARDEN

features of both a fox and an ant-eater, while his feet are bear-like and his nose—though not exactly resembling a pig's in structure—is used for rooting the ground, probing in grass and examining crevices and holes. His hair is short and of a light brown color; the tail is longer than the body and alternately ringed with black and buff; the ears and eyes are small.

“Teddy” has a passion for company, though his vigorous manner, inquisitive nature and ravenous appetite seem to be often misunderstood by visitors in the Museum. He is omnivorous, having already demonstrated his fondness for eggs, bananas, oranges, dates, spiders, cherries, earth worms, bread and milk. When left alone he paces rapidly back and forth at one end of his cage and gives voice to a curious and incessant twittering call, suggesting somewhat that of a canary as the bird is about to enter his bath.

It is hoped to present the members of the Association with a portrait of our new pet in the June issue of the BULLETIN.

H. H. C.

The following have made donations to the Museum library and collections since the April issue of the BULLETIN: — Thomas Brennan, William T. Davis, Gustav Grabe, H. E. Heissinger, Arthur Hollick, Mrs. Julia Kahle, Thomas McKendry, Raymond R. Morris, New York Zoological Society, John B. Pearson, Carl Rach, Staten Island Antiquarian Society.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part of \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, Parts I and II, October 1913 - May 1914, pp. 1-54, pl. I.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. xxxi - vii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. II, No. 11 (Whole No. 95)

JUNE 1916

Edited for the Publication Committee

by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

At the annual meeting of the Association, held May 20, the following were elected trustees to serve during the ensuing three years:

John Q. Adams, Edward W. Brown, Louis L. Tribus, James R. Walsh, William G. Willcox.

Subsequently Mr. George S. Humphrey resigned as a member of the Board of Trustees and Mr. Anton W. Hoffmeyer was elected by the Board to fill the vacancy.

At the annual meeting of the Board of Trustees, held May 27, the following officers of the Association for the fiscal year 1916-17 were elected:

President, Howard R. Bayne; first vice president, William T. Davis; second vice president, William H. Mitchill; treasurer, Charles A. Ingalls; secretary, Arthur Hollick.

Recent elections to active membership in the Association by the Board of Trustees were Charles D. Durkee and Emily H. Durkee, Grasmere; Harold K. Decker, Westerleigh.

Mr. Decker qualified as a life member.

The Board of Trustees recently approved a suggestion of the committee in charge of the Britton Cottage and adopted the following resolution in connection therewith:

Resolved, that the local chapters of the Daughters of the American Revolution now in existence may have the privilege of depositing, installing and arranging in the Britton Cottage such household articles and other objects as shall be approved by the committee of the Association in charge of the Cottage, upon conforming to rules and conditions applicable thereto established by said committee.

Abraham Cole Chapter of Tottenville was the first to co-operate with the committee in accordance with the terms of the resolution. The hallway was selected and approved as the part of the Cottage to be taken in charge by the chapter. All wood-work was repainted, ceiling kalsomined, walls repapered, suitable furniture installed, and on Flag Day, Wednesday, June 14, a reception was given by the chapter in celebration of the installation. About fifty members and guests of the chapter were present and a program appropriate to the occasion was carried out.

The Committee in charge of the Cottage has formulated and the Board of Trustees has approved the following rules and regulations to govern admission to the premises.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

RULES AND REGULATIONS.

1. All patrons and all members of the Association in good standing are entitled to free admission to the Cottage and grounds at all reasonable hours. The certification card issued by the treasurer is a member's guarantee of good standing. *The possession of such card is required in order to obtain free admission to the premises by any member,* and the Custodian is authorized to deny admission to any member who shall not show such a card when requested to do so, unless he is satisfied that the person applying for free admission is a member entitled thereto.
2. Anyone entitled to free admission to the premises may introduce a visitor or visitors, without charge. An entrance fee of twenty-five cents shall be charged to each other person.
3. *All persons who visit the premises shall register their names and addresses in the book kept for that purpose by the Custodian.*

NOTE: The above rules and regulations are for the purpose of properly safeguarding the premises and the rights and privileges of the members of the Association in the same, and it is hoped that the members may so understand and construe them.

JOHN Q. ADAMS,
NATHANIEL L. BRITTON, } Committee.
ARTHUR HOLICK,

The Staten Island Bird Club held its annual meeting and election of officers on Wednesday, June 14, 1916, at the home of Mrs. Wilhelm Knauth, Arrochar Park. The work of the club during the past year was reviewed and plans for the future discussed.

The sixty members and guests present were addressed by Dr. Attilio Caccini, of New York, who told of bird life in Italy and some of the methods employed by the Italians in snaring and trapping birds.

Mrs. Charles M. Porter was re-elected president for the ensuing year and Mr. Howard H. Cleaves was named secretary-treasurer.

On Saturday, June 3, Mr. Cleaves, in company with Mr. R. M. Gunnison of the Brooklyn Eagle, acted as official judge in Suffolk County, of the birdhouses constructed by school children in connection with the Eagle's birdhouse prize contest on Long Island, on which occasion a tour of the county was made by automobile, with stops at the three judging centres — Port Jefferson, Riverhead and Patchogue. The contest also included the schools in Nassau, Queens and Brooklyn, where the awards were made by other parties. A full account, with illustrations, may be found in the Sunday, June 4, edition of the Eagle.

LIFE
NEW YORK
BOTANICAL
MUSEUM

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1-155, pls. I - VII.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - XXV, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. xxxi - vii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. II, No. 12 (Whole No. 96)

JULY 1916

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

Staten Island Chapter, D. A. R., held its regular meeting and a garden party at the Britton Cottage on Saturday afternoon, June 24, at which about fifty members and guests were present. The room selected and approved for furnishing by the chapter is the dining room, and this will probably be the next part of the Cottage to be suitably developed in old colonial style.

The garden border surrounding the Cottage on three sides, which was planted last autumn with about thirty different kinds of old fashioned perennial flowering plants, has grown into a pleasing and permanent feature, thoroughly in keeping with the Cottage and adding materially to the appearance of the exterior.

Members who are interested in bead embroidery may see unusually fine examples now on display in the Arts and Antiquities Room, which includes moccasins, leggins, garters, aprons, necklaces, pouches, etc., representing work of the Cheyenne, Delaware, Ojibway, Menomini and Winnebago Indians, loaned for exhibition during the summer by Mr. Alanson Skinner.

Two fresh water aquaria have recently been installed in Museum. One contains two so-called "Comet" goldfish with water plants (*Myriophyllum* and *Valisneria*) contributed by the New York Aquarium. The other is arranged to show certain of our local aquatic plants recently collected (*Fontinalis*, *Callitricha*, *Ultricularia*, etc.). Specimens of local aquatic animal life will be included if suitable material can be obtained. A crawfish, or fresh water lobster was tried, but it proved to be so destructive to the plants, by disturbing their roots, that its removal became necessary.

A young sparrow hawk (*Falco sparverius*), is a recent interesting addition to our collection of live stock. It was captured on the window sill of a house in Tompkinsville. It is rapidly becoming quite tame and will perch quietly on one's hand while feeding, and sit contentedly throughout the day on the branch of a tree to which it is tethered in the garden, having learned from experience that attempts at flight are limited by the length of the restraining cord.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The undersigned spent a week and a half of his vacation period in late June and early July in the vicinity of Middletown, Conn., tutoring two bird students in field ornithology. The work afforded opportunity for observing the bird life of the region and noting the nesting of many species.

Seventy-five different kinds of birds were recorded altogether—the majority of these being breeding birds. Out of this number it was interesting to note that there were only about a dozen species which may not be found breeding on Staten Island; while in the home territory we have several summer residents which were seemingly absent from the Connecticut district covered.

There was nothing which would strike one as being sensational or rare among the species observed; but the character of the country—rolling farmlands, streams, woodland and fresh water marshes—made for a rich population of our better known land birds of the east. It was pre-eminently a country of phoebe, barn-swallows and robins.

H. H. C.

There seem to be no breeding records of the purple martin (*Progne s. subis* Linn.) or "blue martin"—our largest member of the swallow tribe—for Staten Island, notwithstanding that the birds, at least in recent years, have been noted in both migrations, particularly during the southward flight in August and September. This may be accounted for by the fact that the birds nest solely in artificial devices, especially constructed for their needs, and until very recently no such nesting boxes have apparently been put up on the Island. About a year and a half ago, however, Mr. C. M. Shipman placed a well-constructed martin box in an area north of his home on Shore Road, Rossville; within the past year Mr. Elmer Butler has erected a pole with a large martin house on his estate at Richmond Valley; and on July 9, 1916, the writer put up a 16-room house in the centre of the courtyard of the dairy farm of Mr. E. T. Tillinghast at Princes Bay. Purple Martins have been noted more frequently about this farm during the past four or five years than at any other point on Staten Island.

Martins are common in the Gulf and South Atlantic states, but the birds breed irregularly in the north, where they seem more particular as to the lines on which their houses are constructed. However, there are well established colonies in adjacent parts of New Jersey, Long Island and Connecticut, and there is no serious reason to think that within three or four years we may not induce a few migrant pairs to establish themselves on Staten Island.

H. H. C.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. xxxi-vii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN

OF THE

STATEN ISLAND ASSOCIATION

OF

ARTS AND SCIENCES

NEW SERIES

VOLUME III

August 1916 to July, 1917

Edited for the Publication Committee

by

ARTHUR HOLICK, Secretary

— — — — —
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. III, No. 1 (Whole No. 97)

AUGUST 1916

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

E S C A P E D

Aug. 8

TEN INCH AFRICAN SPINY LIZARD
FINDER PLEASE NOTIFY MUSEUM

The above notice, in the form of a placard, may be seen posted on the bulletin board in front of the Museum, and it tells its own story. This was the senior member of our live stock collection, having been in our possession for some five years. On the morning of August 8 the cage door was found open and at date no trace of the animal has been discovered.

The proposed location of a garbage plant on the shore of Staten Island Sound has resulted in many inquiries regarding Lake's Island. Several visitors have spent considerable time examining our old maps and files of old newspapers, in search of information on the subject, and have purchased copies of our PROCEEDINGS in which references to the locality are to be found.

Supplying facilities for local historical research has apparently developed into one of the best appreciated of our museum functions, not only by those who are interested as amateur or professional historians but also by those who wish information for practical business purposes; and in this connection it is amusing to note that one of our own members journeyed all the way up to the rooms of the New York Historical Society in search of a certain item of information and was there referred to our library as the place to obtain it.

In order to encourage the pursuit of nature study among our youthful visitors a portion of the Annex has been set aside for those who are sufficiently interested to bring in material for identification, where they are given elementary instruction in labeling, arranging and cataloging specimens which they have personally collected, and every effort is made to explain, incidentally, how such material can be made to have a real educational value. The mother of one young boy took occasion to call at the Museum for the special purpose of expressing her appreciation of this line of work and the hope that her son was not "giving us too much trouble." With better facilities and more attractive quarters this could be made a far more important feature of our museum activities than is possible under existing conditions.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

Among the many objects recently brought to the Museum was a domestic pigeon with a red band of some flexible material around one leg and around the other an aluminum band stamped with the number 52. We were informed that it had been found dead, on the morning of July 29, on the premises of Mr. James Farley, Lafayette Avenue, New Brighton. Doubtless the owner would be interested in the facts above recorded.

A recent valuable gift to the library which we have been unable to acknowledge to the donor, is a collection of what are apparently old French documents, in manuscript, written during the period included in the thirteenth to the sixteenth centuries. They were deposited under the front door mat and were discovered one morning by the janitor. The donor either neglected to or was too modest to leave his name and we have had to enter the gift in our list of accessions as contributed by "Anonymous." If Anonymous will reveal his name and address we shall be greatly obliged, and suitable acknowledgement will be transmitted.

Since the last list of donors was published in the BULLETIN gifts to the Museum collections and to the Library have been received from the American Museum of Natural History, Howard R. Bayne, Barbara Brown, John Carlin, Howard H. Cleaves, the Connecticut Academy of Arts and Sciences, George Colton, Emerson Crouch, T. F. Curley, Harold K. Decker, Edward C. Delavan, Jr., Gustav Grabe, John Hall, Martin Harris, Harry Haywood, J. Blake Hillyer, Arthur Hollick, S. Jennie Kingsley, Francis McCallan, William Meese, Bernard Mills, Ira K. Morris, Raymond R. Morris, Museum of the American Indian, Miss Elizabeth Ogilby, Charles L. Pollard, Carl Richter, Wirt Robinson, Staten Island Antiquarian Society, J. Wilbur Vaughn, Junior Volkhardt, Arthur Walser, Douglas Walsh, Laura B. Yetman.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903. "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1-155, pls. I - VII.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. xxxi - vii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. III, No. 2 (Whole No. 98)

SEPTEMBER 1916

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

ERRATUM — Please note

The pagination of the August issue of the BULLETIN (number 1 of volume III) was erroneously continued from the preceding final number of volume II. *The pages numbered 50 and 51 in the August issue should, therefore, be corrected and designated respectively as pages 2 and 3.*

We are pleased to report that our African spiny lizard, whose escape was noted in the August BULLETIN, was discovered, after some two weeks of liberty, wandering around the Museum, and appeared well satisfied to be returned to its regular quarters. What its source of food supply may have been during that period is more or less problematical; but there was no apparent indication that it had undergone any hardship in this connection.

The notice posted on the bulletin board in front of the Museum evidently attracted considerable attention and a number of inquiries were received, both verbal and by telephone, some intended to be humorous, others apparently serious, the latter including requests for information in regard to whether the animal was poisonous or otherwise dangerous. Should the occasion again arise a statement to the effect that the animal is harmless will be incorporated in any notice that may be issued or posted.

The exhibit of Indian bead embroidery which was on display during July and August has been removed and replaced in part by objects of revolutionary, colonial and general antiquarian interest, among which are several recent accessions, and in part by a special exhibit of bronze, silver and gold medals selected from the Museum collection. These latter include medals issued in connection with the Hudson-Fulton, the Commercial Tercentenary, and the Safe and Sane Fourth of July celebrations in recent years; the Crystal Palace in 1853, and others issued in commemoration of foreign historical events.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

On September 19 Mr. Charles P. Benedict deposited with the Museum a living specimen of the banded or timber rattlesnake (*Crotalus horridus* Linn.), measuring over three feet in length, which had been sent him from Twin Lakes, Pike County, Pa. Ordinarily it might not be wise to place on public exhibition, except in a glass case, a creature whose bite is admittedly so poisonous; but Mr. Benedict has kindly taken the precaution of extracting the fangs (five in number) from the present subject.

Ditmars has many interesting things to tell of the structure and habits of the rattlesnake. He explains how erroneous it is to assume that each segment of the rattle indicates a year's development in the snake. As a matter of fact, a "rattle" is formed each time the snake sheds or casts his skin—and this normally happens three times during each year. At birth (and rattlesnakes are born alive) the young rattler has at the tip of his tail a single "button," and when the skin is shed at the end of about two months the first ring of the rattle proper appears. The button and the first ring, therefore, may be taken to represent approximately the first year of the snake's growth; and the button or the slender point to which it is attached must be present in order that the age of the reptile may be subsequently computed with anything approaching accuracy. When the snake reaches maturity not only do new segments cease to appear but those at the extremity of the rattle are lost.

The snake in the Museum is a beautifully colored specimen of the so-called black phase—which usually indicates the male sex—possessing nine rattles, including the first ring, without the button. This may probably be taken to indicate that the serpent will be four years of age in the spring of 1917.

H. H. C.

Since the last issue of the BULLETIN gifts to the Museum collections and library have been received from "Anonymous," Carol and Laura Bliss, Thomas S. Cary, William T. Davis, Edward C. Delavan, Jr., Alexander Forsyth, Gustav Grabe, J. Blake Hillyer, Arthur Hollick, Edward Kiedrowski, Montague Lessler, William A. Murrill, Carlton Rumboldt, Mrs. Samuel Theobald, Jr.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. xxxi-vii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. III, No. 3 (Whole No. 99)

OCTOBER 1916

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly hall of the Museum, 154 Stuyvesant Place, Saint George, on Saturday evening, October 21, 1916, at 8:15 o'clock.

In accordance with the policy approved by the Program Committee the October meeting is, as usual, reserved for communications of general interest from members.

Visitors are welcome at all regular meetings of the Association and members are urged to invite any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Woman's Auxiliary Committee after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

The first of the season's course of free illustrated lectures for children, on "Quito: City of the Equator," by Mr. Stafford C. Edwards, is scheduled for Friday afternoon, October 27.

Members will please note that Mr. and Mrs. Frederick L. Stoddard, custodians of the Britton Cottage during the past fifteen months, resigned at the end of September, and that the Cottage is now in charge of Mr. and Mrs. Daniel Henry. The telephone number remains the same — 512 New Dorp — but under the name of the new custodian.

The complete furnishing of the Britton Cottage with household articles in keeping with its historical associations is well under way, through the active work of the several local chapters of the Daughters of the American Revolution. Members will find much of interest there at the present time, and there is every reason to believe that in the near future each chapter will have completed its share of renovating and furnishing the rooms as creditably as Abram Cole Chapter has done in connection with the hallway.

The boys' museum in the Annex, mentioned in the August BULLETIN, now has a membership of twenty-four. They have been encouraged to organize and to manage their own activities, with occasional advice and suggestions by the Director when necessary. They have held meetings and elected their own officers and the latter are held responsible for good order on the premises. The inception of the museum was quite independent of any suggestion on the part of the Director, and for that reason it may be regarded as a gratifying and encouraging indication of the wholesome influence of our museum on the youthful members of the community.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The Staten Island Bird Club held its first autumn meeting at the Museum on the afternoon of October 11th. The unusually large number of members and guests (forty in all) present at this regular meeting may no doubt be attributed to the illustrated lecture entitled "Glimpses of Wild Birds" which was delivered by Mr. Beecher S. Bowdish, Secretary of the New Jersey Audubon Society.

The members voted to continue the feeding of winter birds in the Moravian Cemetery Sanctuary during the coming season on a larger scale than heretofore—the question as to purchase of food supplies being placed in the hands of the Committee on Ways of Attracting Birds.

The Club at present has a membership of over two hundred, but it is hoped to increase it a hundred per cent. in the next two years. Any resident of Staten Island who is in sympathy with the work and objects of the Club may become a regular member by remitting the annual fee of fifty cents to Mr. Howard H. Cleaves, Secretary-Treasurer, Public Museum, New Brighton, N. Y.

H. H. C.

Members who are interested in aquatic life will find an attractive exhibit in the local fauna aquarium. Several pollywogs in various stages of development from the young water-breathing forms to the mature air-breathing frogs may now be seen; also several specimens of the crimson-spotted newt or triton, *Diemictylus viridescens*; a sun-fish, *Lepomis gibbosus*; and pond snails, *Lymnaea* sp. For most of the specimens we are indebted to Mr. Raymond Morris, who collected them in Clove Lake and donated them to the Museum.

Through the courtesy of the author, Dr. William A. Murrill, Assistant Director of the New York Botanical Garden, we have recently received a wall chart on which is shown thirty of the most common edible and seventeen of the most common poisonous fungi (mushrooms and toadstools), all depicted natural size and in their natural colors. A descriptive handbook accompanies the chart. These are displayed conspicuously in the library, where they may be consulted by those who may wish to identify any specimens collected. Several of the poisonous species, however, may be seen to simulate very closely certain of the edible ones, and it is always hazardous for anyone who is not an expert mycologist to risk eating specimens in regard to which there is any doubt as to correct identification.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. xxxi-vii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

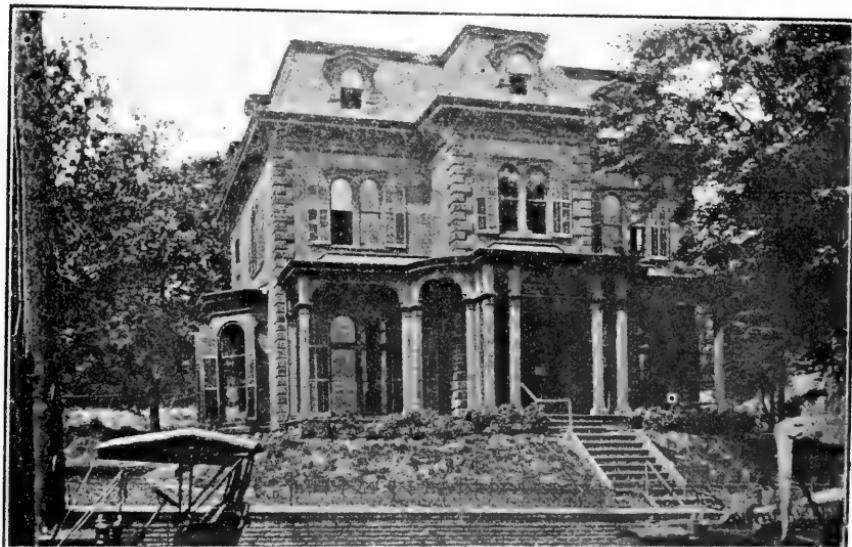
The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. III, No. 4 (Whole No. 100)

NOVEMBER 1916

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, on Saturday evening, November 18, 1916, at 8:15 o'clock.

In commemoration of the thirty-fifth anniversary of the organization of the Natural Science Association of Staten Island on November 12, 1881, a program suitable to the occasion will be presented by members of the Section of Natural Science, including the reading of the original minutes.

Visitors are welcome at all regular meetings of the Association and members are urged to invite any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Woman's Auxiliary Committee after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

It is with pleasure that we acknowledge the receipt of the following invitation and comply with the request that it be inserted in the BULLETIN:

The Association of Women Painters and Sculptors invites the members of the Staten Island Association of Arts and Sciences to attend their exhibition of small paintings and sculpture at the Arlington Gallery, 274 Madison Avenue, Manhattan, on the afternoon of Wednesday, December 6, 1916.

[Signed] MRS. EDMUND GREACEN,
Chairman Entertainment Committee.

NOTICE.

By authority of the Board of Trustees, beginning January 1, 1917, the price of the PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND, dating from 1883 to 1905, will be increased to \$1.50 per volume for members and \$3.00 for non-members. Those who wish to secure these volumes at the present prices should, therefore, make application before the beginning of the new year.

The first of the season's course of free illustrated lectures for children, on "Quito: City of the Equator," by Mr. Stafford C. Edwards, was given on Friday afternoon, October 27. About 300 children applied for admission and Mr. Edwards kindly repeated the lecture the same afternoon in order that those who could not be seated the first time should not be disappointed.

On the occasion of the second lecture, on "Elementary Electricity," by Mr. Rupert H. Hopkins, on November 3, the assembly room was filled to its seating capacity and many children had to be turned away.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The remainder of the schedule follows: Nov. 10, "Six Years in Tropical Africa," Mr. James Chapin; Nov. 17, "How Animals Prepare for Winter," Mr. Ernest Ingersoll; Nov. 24, "The Boy Scouts," Mr. C. Elmore Smith.

It is with sincere sorrow that we record the tragic death of our interesting pet, the sparrow hawk, which became the victim of a predatory cat on October 18. The bird was thoroughly tame and was a great favorite with the children, who were always ready to spend their time catching grasshoppers with which to feed it. It is some satisfaction, however, to also record that retribution followed on October 24, and to be able to announce that the cat is no longer a menace to our bird population.

In our PROCEEDINGS and BULLETIN, from time to time, we have had occasion to publish information in regard to the interesting trees of willow oaks and hybrid oaks growing in a limited area in the vicinity of Tottenville. They were discovered and first made known by Mr. William T. Davis, in 1888, and since that time they have been visited by scores of botanists from all parts of the United States. Seedeing trees, grown from the acorns, have been planted in many botanical gardens, and specimens of the leaves and acorns have been collected and are preserved in herbaria both in the Old World and in America.

Young seedlings have been planted in the grounds of the Britton Cottage where it is to be hoped that they may be perpetuated for future generations of Staten Islanders to study and enjoy; but the preservation of the original trees in their natural habitat would be of still greater interest. The largest and finest of these trees is five feet in circumference. Practically all are included in an area of less than an acre of swampy woodland, and most of the best trees could be preserved by the acquisition of half an acre. Here is an opportunity for some patriotic Staten Islander who appreciates trees to preserve some of the rarest and most interesting individual specimens of their kind to be found anywhere. Who will do it and do it now, before it is too late?

A. H.

Since the last list of donors to the Musuem collections and library was published in the BULLETIN accessions have been received from the following persons: D. Appleton & Co., George Bailey, Howard H. Cleaves, Mrs E. Davis, Miss G. O. Deas, Harold Decker, John DeMorgan, Eugene F. Dubois, John Ward Dunsmore, Gustav Grabe, John Hall, F. J. Heal, Ernest Holder, Arthur Hollick, Charles E. Lawrence, Raymond R. Morris, N. Y. Botanical Garden, Daniel O'Connor, Charles Schmidt, C. W. Schutzendorf, John Ziarkowski.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1-155, pls. I - VII.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. xxxi - vii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. III, No. 5 (Whole No. 101)

DECEMBER 1916

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION

will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, on Saturday evening, December 16, 1916, at 8:15 o'clock.

J. Q. Adams, chairman of the committee on the proposed new museum building, will report upon progress made in providing ways and means for its location and erection. Information of interest will be announced, and members are urged to attend the meeting in order that they may become acquainted with this important movement for the expansion of the Museum and its activities and its possibilities in connection with the future development and usefulness of the Association.

Doctor Arthur Hollick will present a brief statement of the relations which obtain between the City and the Association and explain the functions of each in providing for the instruction of the public through the medium of the Museum.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Women's Auxiliary Committee after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

At the last stated meeting of the Board of Trustees Messrs. Louis W. Kaufman and J. Stenzel were elected to active membership in the Association.

The silver communion service, owned by the Trinity M. E. Church of West New Brighton, shown at the last meeting of the Association, has been placed on exhibition in the main hallway of the Museum. It consists of a tankard and two goblets, each of the latter having the engraved inscription

Presented to the Church
by D. Mersereau, Esqr
for the Communion
1816

These interesting articles have been loaned to the Association and deposited in the Museum as a permanent exhibit by the officials of the church in accordance with a suggestion to that effect by Mersereau Chapter, Daughters of the American Revolution.

A recent donation to the Museum, from Miss Lucy J. Kipper, which has been placed on display in the main hallway, is a large framed, colored lithograph, representing a view down Maiden Lane, taken from the corner of Broadway. The date is not given, unfortunately; but the old Broadway stages, the maze of overhead telegraph wires, and the fashions in dress which are

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

depicted indicate that it represents the conditions which prevailed during the decade from 1860 - 1870. The date of issue may, perhaps, be more definitely determined from the printed matter at the bottom: Copyrighted, Published, by J. J. Fogerty, 115 Nassau Street, New York — Am. Photo - Litho Co., N. Y.

We are pleased to announce that the renovation of the living room in the Britton Cottage, by Richmond County Chapter, Daughters of the American Revolution, was completed, furniture and pictures installed, and the event celebrated by the chapter, with suitable exercises, at a meeting held in the room on October 24.

Other meetings of the Daughters held at the Cottage during the autumn were: Mersereau Chapter, October 10; Staten Island Chapter, October 14; Abraham Cole Chapter, October 17.

In the November BULLETIN the tragic death of our sparrow hawk was recounted and it is now with equal feelings of sorrow that we record the death of our coati "Teddy," who succumbed to pneumonia on November 22. These two members of our little menagerie were a great attraction to our visitors, both adults and children, and they were interesting and amusing pets for all the members of the museum staff.

As a certain measure of compensation, however, we are pleased to announce the arrival of two additions to our guinea pig family. Contributions of carrots, lettuce, cabbage, etc., gratefully accepted.

At a recent meeting held in the museum the Staten Island Bird Club voted funds for the resumption of the feeding of winter birds in the Moravian cemetery at New Dorp. Accordingly, the Committee in charge of Ways of Attracting Birds has purchased a hundred pounds of seed, including sunflower, hemp and millet—as well as two bushels of roasted peanuts. Several new feeding devices will be installed in the grounds before the severe winter weather arrives.

In addition to the work in the Moravian sanctuary the Club plans to distribute fifty large, automatic feeding stations, each capable of holding several quarts of seed. These devices, to be constructed of wood, attractively painted and equipped with hinged lids, are being built by an enthusiastic member of the Club.

Persons who do not belong to the Club, but who wish to aid in the campaign to improve conditions for wild birds on Staten Island, are urgently invited to remit contributions of any amount to Howard H. Cleaves, Treasurer Special Fund, Public Museum, New Brighton, N. Y.

H. H. C.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.25 per volume. To others the price per volume is \$2.50.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October, 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1 - 136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1 - 251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1 - 216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1 - 148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1 - 155, pls. I - VII.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. xxxi - vii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

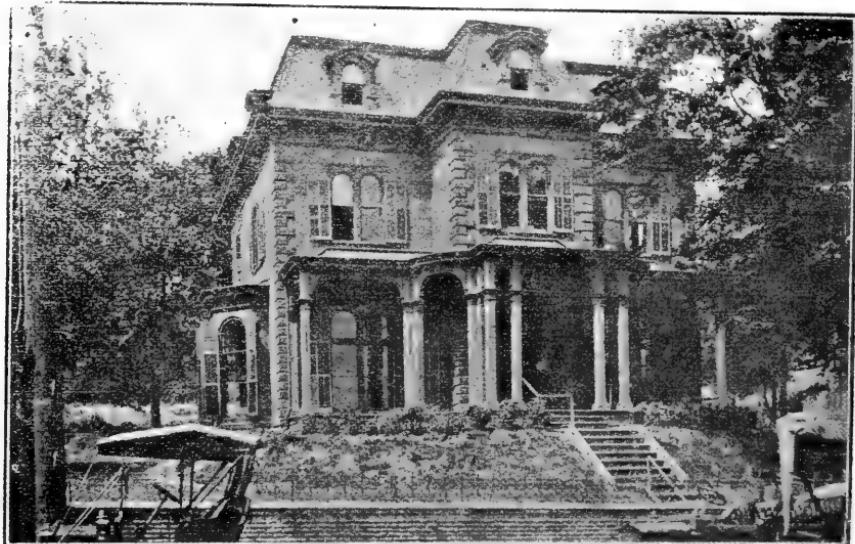
S. 4-12

MUSEUM BULLETIN OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

New Series Vol. III, No. 6 (Whole No. 102)

JANUARY 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, on Saturday evening, January 20, 1917, at 8:15 o'clock.

Mr. Francis D. Murphy will give an illustrated lecture on the African animals represented in the collection of mounted heads and other zoological specimens recently presented to the Museum by Mr. F. C. Havemeyer.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Women's Auxiliary Committee after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

The offer of Mr. F. C. Havemeyer to donate to the Museum his collection of animal heads, horns, skins, etc., and our acceptance of the offer, was announced at the December meeting of the Association. On December 27 the collection was received at the Museum. It includes mounted heads of waterbuck, wildebeeste, hartebeeste, black rhinoceros, eland oryx, impala, kudu and several species of gazelle, from Africa; elk, moose, caribou, black-tail deer, pronghorn antelope, mountain sheep and black bear, from North America, besides a fine specimen of tarpon and a number of skins, skulls and horns, tusks, etc.

This is by far the most extensive and valuable zoological donation thus far made to the Museum, and it affords a concrete example of the urgent necessity for an adequate sized, fireproof building in which this and our other collections may be properly arranged, displayed and safeguarded.

The December course of Friday afternoon illustrated lectures for school children, arranged by Mr. Cleaves, was as follows:

December 1, How to keep well, Dr. John S. Ware; December 8, Teeth, Dr. Robert H. Pentz; December 15, The Arabs, Mr. Francis D. Murphy; December 22, Some Christmas music, Miss Edith M. Pollard; December 29, Drawing pictures, Miss Helen E. Cleaves.

The January schedule is as follows: January 5, Training for the trades, Mr. Morris E. Siegel; January 12, The People of the Nile, Mr. Francis D. Murphy; January 19, Uncle Sam's Navy, Mr. John C. Welsh; January 26, Lighthouses, Mr. Guy B. Skinner.

Mr. Murphy's lecture on Junuary 12 was repeated in order to accommodate all who wished to attend, and the assembly room was twice filled to the limit of its seating capacity. An assembly room to seat at least two hundred is urgently needed.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The present winter is proving a notable one for Staten Island as regards the occurrence of birds from the north. Early in the fall it became evident that we were to have what is known as a *siskin year* from the flocks of these birds—the pine siskin or pine finch—which were observed, particularly in woods where the sweet gum is common. This tree bears seed balls from which the siskin secures a favorite and dependable food supply. The pine siskin, though not rare here, is irregular in its occurrence, there being winters when it is conspicuous by its non-appearance.

As to importance, however, the presence of the siskins must take a rank well below that of the other birds which have come to us at one time or another in the past several weeks. For example, the writer, in his entire field experience prior to the 24th of December, 1916, had seen only a solitary individual of the redpoll or redpoll linnet—a true bird of the Boreal zone, being confined chiefly to the "northern parts of the Northern Hemisphere." On the above date Staten Island seemed almost literally invaded and overrun by redpolls—one flock of 60 individuals being found in an open field near the Princes Bay lighthouse. They were relatively fearless, continuing feeding on weed seeds while the observer advanced slowly to a point within twelve or fifteen feet of the nearest bird. Occasionally the whole band flew simultaneously into the air—each member giving a quick, double chink-chink note—but usually returned to the area just abandoned, where rations seemed temptingly plentiful.

On December 2nd Mr. Harold K. Decker marked the presence in the Moravian cemetery at New Dorp of several strange chickadees, in company with a band of the common black-capped chickadee. The new birds, from all appearances, seemed to be Acadian chickadees (a sub-race of the more northern Hudsonian chickadee); but it is now learned that they are representatives of still another form of the Hudsonian bird recently described from Labrador by Dr. Charles W. Townsend. The technical name given this bird is *Penthestes hudsonicus nigricans*, and he might be popularly designated as the Labrador brown-cap chickadee.

Staten Island has come to be recognized by ornithologists in and about New York City as a fruitful field for observation and is now frequently visited by them. On December 30th, 1916, Dr. William H. Wiegmann, of Manhattan, observed a single pine grosbeak at New Dorp, and Mr. William P. Heineken reported a female of the same species seen at his residence on Todt Hill Road, Dongan Hills, at nearly the same time. The pine grosbeak is nearly as rare on Staten Island as its more highly-colored relative, the evening grosbeak, which came to the island a year ago. The writer has never met the pine grosbeak in nature.

Another bird which seems to avoid Staten Island for many years at a time is the red or American crossbill. On December 17 three of these curious and noticeably specialized creatures were discovered in the tops of white pines in the back grounds of the Moravian cemetery; and two additional individuals were seen to alight in an Austrian pine at Annadale, December 20th.

In addition to the birds above referred to, another rarity from the north has appeared here recently (December 31st last) in the form of a goshawk which the undersigned watched through 8-power binoculars for some moments at Princes Bay.

Lastly, mention should be made of the presence of several flocks of horned larks or shore larks, about three dozen having been noted at both Great Kills and Princes Bay on the day before Christmas. The horned lark may be found regularly on the New England and Long Island coasts and at some places on the interior during the most rigorous winters. The occurrence of the species on Staten Island, however, is sufficiently irregular to render the present visit worthy of mention.

H. H. C.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. xxxi-vii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

5500.2
1612

MUSEUM BULLETIN

OF THE

STATEN ISLAND ASSOCIATION

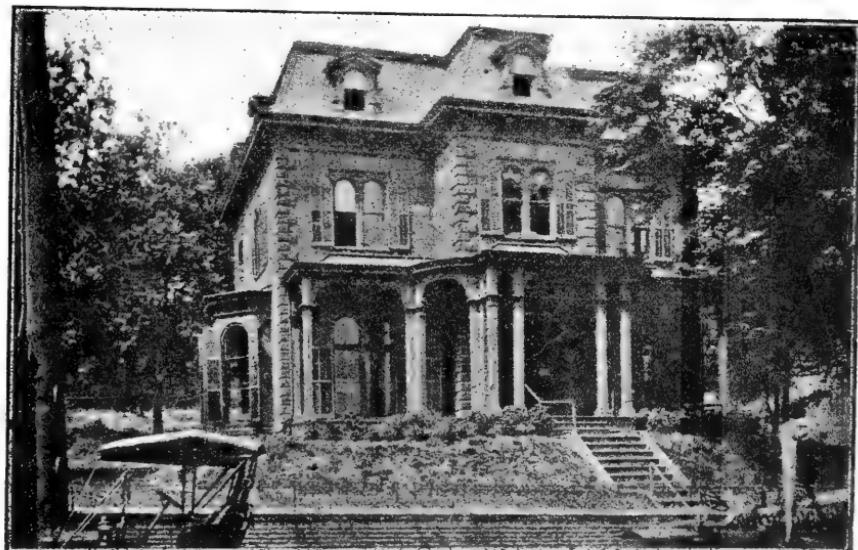
OF

ARTS AND SCIENCES

New Series Vol. III, No. 7 (Whole No. 103)

FEBRUARY 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, **on Saturday evening, February 17, 1917**, at 8:15 o'clock.

Dr. Arthur Hollick will give an illustrated lecture on Some Evidences of the Ice Age on and in the Vicinity of Staten Island.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Women's Auxiliary Committee after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

Part I of Volume VI of the PROCEEDINGS has recently been mailed to all members entitled to receive it. This issue consists entirely of the report of the committee appointed to investigate and report upon the accuracy of all dates and events entered upon the historical tablet in the Borough Hall. It is an interesting document which will be found indispensable to anyone who may wish to become acquainted with the most important events in our local history, in their chronological order. Citations from authoritative sources of information are freely given, and at the end there is a complete list of all the authorities and publications cited and consulted by the committee in the preparation of the report.

The question is frequently asked "how many people visit the Museum?" Our records show a steady increase of about two thousand visitors each year. In 1915 the attendance was 13,263, and in 1916 it was 15,736. These records do not include the attendance at meetings of the Association and its sections or of the several civic organizations which meet in the evenings. The figures represent only the attendance during the hours when the Museum is open to the public. It is also of interest to note that 1,024 children attended the Friday afternoon lectures during the months of December and January, the schedules of which were printed in the last Bulletin.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The members of the Association will be interested in the following abstract from the proceedings of the Commissioners of the Sinking Fund, at a meeting held on Thursday, January 25, 1917, and printed in the City Record, page 961, February 6, 1917.

"The Deputy and Acting Comptroller presented the following report and offered the following resolution :

January 20, 1917.

To the Honorable the Commissioners of the Sinking Fund :

Gentlemen : The President of the Staten Island Association of Arts and Sciences in a communication to your Board under date of October 14, 1916, requests the assignment to that Association of part (115 ft. by 108 ft.) of a plot of ground owned by the City at Wall Street and Stuyvesant Place, in the Borough of Richmond, for the purpose of erecting thereon a two and a half story and basement fireproof Museum building at a cost of about \$20,000, at the expense of the Staten Island Association of Arts and Sciences, and which will take the place of the present quarters now leased by the City, thereby effecting a saving to the City of \$1,500 a year, now paid for rent. * * *

The Corporation Counsel, in a communication under date of January 16, 1917, states that the Commissioners of the Sinking Fund have the general power under section 8 of chapter 850 of the Laws of 1911 "to allot and set apart to said Association, land in the Borough of Richmond for the erection of a suitable building or buildings for the keeping and maintaining of the Museum, collection and library of said Association, and to prescribe the terms and conditions regulating the use of such land by said Association."

I therefore respectfully recommend that the Commissioners of the Sinking Fund adopt a resolution assigning to the Staten Island Association of Arts and Sciences, the plot of land in the First Ward of the Borough of Richmond, City of New York, bounded and described as follows : * * * — said premises to be used as a site for the erection of a Museum building by the Staten Island Association of Arts and Sciences, said premises with buildings and other improvements thereon to revert to the City whenever it shall cease to be so used.

Respectfully,

ALBERT E. HADLOCK,

Deputy and Acting Comptroller.

Resolved, That, pursuant to the provisions of section 8, chapter 850 of the Laws of 1911, the Commissioners of the Sinking Fund hereby assign to the Staten Island Association of Arts and Sciences the plot of land in the First Ward, Borough of Richmond, City of New York, bounded as follows :

Beginning at the corner formed by the intersection of the northerly side of Wall Street with the easterly side of Stuyvesant Place ; running thence easterly along the northerly side of Wall Street 108 feet ; running thence northerly and parallel with the easterly side of Stuyvesant Place 115 feet ; running thence westerly and parallel with the northerly side of Wall Street 108 feet to the easterly side of Stuyvesant Place ; running thence southerly along the easterly side of Stuyvesant Place 115 feet to the point or place of beginning, — said land to be used as a site for the erection of a Museum building by the said Association, and the premises, with the building and other improvements thereon, to revert to the City of New York whenever it shall cease to be so used. This assignment being made upon the express condition that the erection of the Museum building shall be commenced within two years from date, otherwise to be of no force or effect.

The report was accepted, and the resolution adopted, all the members present voting in the affirmative."

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

VOLUME VI, Part I, pp. 1-66, October 1915.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-XXV, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. III, No. 8 (Whole No. 104)

MARCH 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, **on Saturday evening, March 17, 1917**, at 8:15 o'clock.

Mr. David Varon will deliver an address on "Staten Island of Tomorrow," accompanied by crayon sketches. Those who enjoyed the privilege of attending Mr. Varon's lecture given at the March meeting of the Association two years ago will appreciate this opportunity to again observe what can be accomplished in the way of illustrating descriptions by rapid and effective free hand sketches.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Women's Auxiliary Committee after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

The next regular meeting of the Section of Applied Science will be held in the assembly room of the Museum on **Saturday evening, March 24**.

Mr. R. T. Pryor will give an illustrated lecture on "Features of Old European Architecture."

All members of the Association and their friends are cordially invited to attend.

MALCOLM WALSH,
Recorder.

A meeting of the Section of Historical Research will be held at the Museum on **Friday evening, April 6**.

Mr. E. C. Delavan, Jr., will present a paper on "The Road from Richmond to Stony Brook," and a facsimile of a recently discovered map will be exhibited showing the first recorded settlement on Staten Island.

Opportunity will be given for the presentation of any other matter of local historical interest.

A cordial invitation to be present is hereby tendered to all who are interested in Staten Island history and antiquities.

S. MCKEE SMITH,
Recorder.

The annual meeting of the Section of Natural Science will be held at the Museum on **Saturday evening, April 14**.

The special business to be transacted is the election of a chairman and recorder for the ensuing year.

Members of the Section are requested to present notes and exhibit specimens of local or general scientific interest.

All members of the Association are welcome to attend without further invitation.

H. H. CLEAVES,
Recorder.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The February course of Friday afternoon lectures for children called forth a total attendance of 415. The lecture room was filled to the limit of its seating capacity each time and many children had to be turned away.

The schedule was as follows: February 2, "Three Months in Alaska," Dr. Arthur Hollick; February 9, "Wild Animals near Home," Dr. G. Clyde Fisher; February 16, "Manhattan Island and the Palisades," Mr. R. S. Corwin; February 23, "Travels Through the West," Miss Mabel G. Burdick.

The schedule for the current month is as follows: March 2, "The Dance," (illustrated by dancers in costume and pictures), Mr. J. Blake Hillyer; March 9, "Ireland," Capt. Francis D. Murphy; March 16, "The Philippines: a Land of Promise," Mr. James H. Tate; March 23, "Historic Battlefields of New York State," Mr. J. W. Wiseman; March 30, "A Journey into Birdland," Mr. Howard H. Cleaves.

A new case, designed for storing and displaying coins and similar objects, has been recently installed in the arts and antiquities room. An exhibit of American coins has been arranged, which includes a series of old United States copper cents of various dates from 1786 to 1853; an eagle nickel cent of 1858; 2 cent and 3 cent pieces. Also a number of specimens of "token money," issued during the period of the Civil War by business firms and individuals and used as small change and credit checks in lieu of coins and fractional currency of small denominations.

Several recent accessions may also be seen in the medal collection — one of the bronze medals issued in connection with the opening of the Municipal Ferry in 1905; and badges issued in connection with the Bi-Centennial celebration of Richmond County, November 1, 1883, and the Centennial celebration by the citizens of Brooklyn, July 3 and 4, 1876.

Since the last list of donors to the museum collections and library was published in the BULLETIN donations have been received from Harry Anderson, Howard R. Bayne, Mrs. E. Blake, Edward C. Bridgman, Janet T. Butler, Howard H. Cleaves, William T. Davis, Edward C. Delavan, Jr., George Downing, Mrs. E. W. Elsworth, Mrs. Richard L'H. Finch, Alexander Forsyth, Gustave Grabe, John Hall, Alaric Hansen, F. C. Havemeyer, F. J. Heal, Arthur Hollick, F. J. Leaney, Raymond Morris, Fred Nelson, W. J. O'Shea, Jacques Pascal, Charles L. Pollard, John Rader, Richard Salmon, James Schell, Mrs. Carl E. Tefft, Angelo Treda, George W. Tuttle, Charles Winters.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1-155, pls. I - VII.

VOLUME VI, Part I, pp. 1-66, October 1915.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

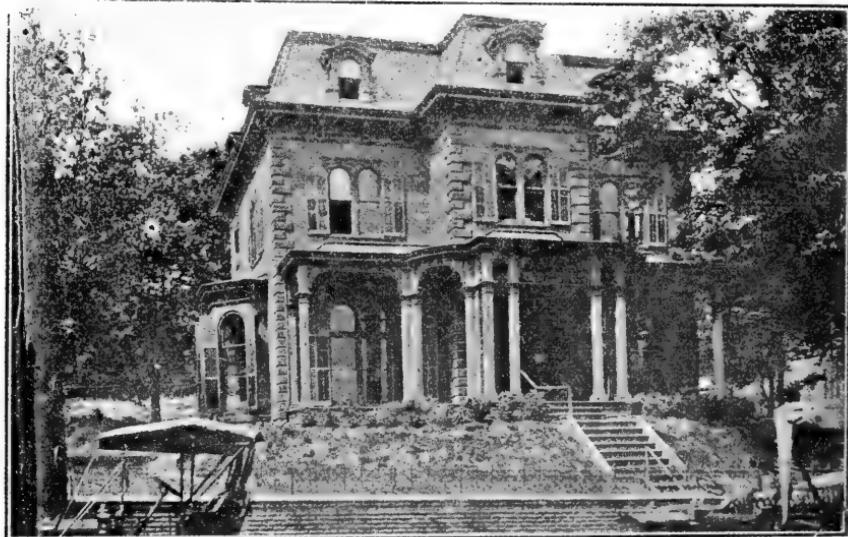
The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

New Series Vol III, No. 9 (Whole No. 105)

APRIL 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, on Saturday evening, April 21, 1917, at 8:15 o'clock.

Mr. A. A. Michell will deliver a lecture, illustrated by means of lantern slides, on The Ruined Abbeys of England and the Destruction of Monasticism.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Women's Auxiliary Committee after the adjournment of each meeting.

ARTHUR HOLICK,
Secretary.

Recent elections to active membership in the Association by the Board of Trustees are Henry A. Ahrens, Mrs. Henry A. Ahrens, Stapleton; Ernest H. Heath, West New Brighton; Josephine S. Sperrle, Oscar E. Sperrle, John C. Welsh, H. A. Witte, Mrs. H. A. Witte, West New Brighton.

Mr. F. C. Havemeyer was elected a patron of the Association in recognition of the gift to the Museum of his collection of mounted animal heads, horns and skins.

On Sunday, April 1, fourteen members of the Torrey Botanical Club of New York visited the Museum by special invitation of the Director and spent the afternoon inspecting and studying our herbarium and other botanical collections.

The March course of Friday afternoon lectures for children, the schedule of which was printed in the February BULLETIN, was attended by a total of 508, and on several occasions the seating capacity of the assembly room was insufficient to accommodate all who wished to be admitted. The total attendance for the season was 2,655.

The interest of the children in the Museum is recognized as a valuable asset, and in order that their interest may be retained now that the lecture season has closed, Mr. Cleaves has provided a registration book in which all children who visit the Museum during the months of April to September inclusive may inscribe their names. At the end of each month the ten children whose names appear oftenest on the register will be photographed and their photographs will be posted on a bulletin board provided for the purpose in the local biology room.

Some of our members expressed surprise at the number of persons who visited the Museum during the past two years, as published in the February BULLETIN. The following statistics

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

for the first three months of the present year may, therefore, prove interesting:

Month.	Number of Visitors.
January	1,905
February	1,866
March	1,68 3 3
Total	5,454

Most of these were, of course, casual visitors; but quite a number came with some well defined object in view, and the members of the Museum staff have been called upon to furnish a variety of information that, at times, is somewhat bewildering. Some of the inquiries are based upon popular myths or superstitions in regard to common objects; but others show a desire for serious information, as for example: "how can I find the Vanderbilt houses, and are they open to visitors?"; "how is wood petrified or converted into stone?"; "do you know of any old house on the Island with rooms suitable for an artist's studio?"; "what was the route followed by Lord Howe and his troops when the British evacuated Staten Island?"; "can you recommend a good popular work on trees that may be used in field work?"; "what is the origin of the name 'Richmond' as applied to Staten Island? Did it come from the Duke of Richmond?"; "what kinds of oak trees have been observed to hybridize on Staten Island and what references are available on the subject of hybridization between oaks in general?"; "what seeds of wild or cultivated flowers would you recommend for growing in large numbers or masses on unimproved property [to render it attractive]? Also, what creeping plant is best suited to rapidly cover up bare spots?"; "what is the range of the yellow fever mosquito and the malarial mosquito?"; "I am very desirous of finding all references possible upon the subject of concretions and wish particularly to locate one mentioned in your PROCEEDINGS."

Inquiries in regard to the identity of birds are of almost daily occurrence, and questions relating to local geology are almost as frequently asked. The most earnest students are those who take advantage of our facilities for local historical research in connection with our literature, old maps, pictures, posters, etc.

Specimens brought in for identification include every department of the Museum, birds and other animals, living and dead, rocks, minerals, metal of various kinds (copper, antimony, pig iron, etc.,) flowers, seeds and other parts of plants, shells, insects, etc., etc.

We wish that more of our members would visit the Museum and that the membership in general would take advantage of the facilities at their disposal to the same extent as the general public now does.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Lavis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1-155, pls. I - VII.

VOLUME VI, Part I, pp. 1-66, October 1915.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

LIBRARY
NEW YORK
SCULPTURE
MUSEUM

New Series Vol. III, No. 10 (Whole No. 106)

MAY 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Secretary



Published monthly at New Brighton, N. Y.

Entered as 2d-class matter in P. O. at New Brighton, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE ANNUAL MEETING OF THE ASSOCIATION

will be held in the assembly hall of the Museum, 154 Stuyvesant Place, Saint George, on Saturday evening, May 19, 1917, at 8:15 o'clock.

The President will deliver his annual address, and the reports of the Board of Trustees and other officers will be presented; four trustees are to be elected for a term of three years to succeed George Cromwell, Anton W. Hoffmeyer, William Hinman Mitchell and Francis Winthrop White, whose terms expire on this date.

Mr. Howard H. Cleaves will also give an illustrated talk on "The Gulls of New York Harbor."

The usual refreshments will be served by the Women's Auxiliary Committee, after the adjournment of the meeting.

J. Q. ADAMS,
Secretary.

THE NEW MUSEUM BUILDING

The Building Committee of the Association, consisting of Dr. John Quincy Adams, Chairman, and Messrs. C. A. Ingalls, William T. Davis, James R. Walsh, with Senator Bayne *ex officio*, report that they have secured, up to the present time, \$10,575. for the New Museum Fire Proof Building in addition to the subscription of Mr. William G. Willcox of \$10,000. The subscription of Mr. Willcox was conditional upon other subscriptions being received for at least \$10,000 by May 1st, 1917. By this date the Committee has secured the required additional subscriptions amounting to \$10,390. Mr. Willcox upon being informed that his condition had been complied with, promptly remitted to the Association his check for \$10,000. Other subscriptions paid in have raised the amount now actually in the treasurer's hands to the sum of \$15,000. The Board of Trustees have directed the architect, Mr. Robert W. Gardner, to ask for bids for excavation so that the work of construction may begin as soon as practicable.

It is believed by the Committee that, owing to the increased price of labor and materials, the cost of the entire building will exceed by several thousand dollars the original estimate of \$20,000. But the Committee are confident that the necessary funds will be forthcoming in due time.

The Museum Register for boys and girls is proving a distinct success. During April, the first month of its operation, the signatures of 225 children appeared on the book. Ten of these boys and girls visited the Museum from fifteen to twenty times during the month, and in consequence became the winners, were photographed and their pictures posted on a special bulletin

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

board installed for the purpose. The names of the April winners are as follows: Richard Daly, Abraham Gerst, Morris Gerst, Esther Ginzburg, Rose Ginzburg, Ruth Goodman, Milton Hoge, Arthur Jacobs, Walter S. Mayer, Jr., Benjamin Neisner.

Registration continues in a spirited manner through the present month.

Members are invited to make use more freely of the reading table in the library of the Museum, on which will be found current numbers of *Recreation*, *The New Country Life*, *Bird Lore*, *The Guide to Nature*, *The American Museum Journal*, and numerous other popular periodicals. The visitor interested in art will find the monthly Bulletins published by the Boston Museum of Fine Arts and those of the Pennsylvania Museum and School of Industrial Art.

The bulletin board in the back part of the lower hall also contains announcements which should interest many persons. Notices of picture and sculpture exhibits at the MacDowell Club and the National Arts Club are posted regularly, as well as other exhibits and announcements of art competitions. At the present time there are several notices of current interest—meetings of civic bodies and classes; agricultural leaflets from the Cornell School of Agriculture, etc. Other announcements and notices are posted from time to time, whenever any matter of general interest is received.

The Staten Island Bird Club held its May meeting in the Museum library on the afternoon of the ninth. Members reported the return of bluebirds and wrens to nesting boxes which had been put up last season.

In this connection, and in view of the frequent inquiries made by visitors concerning bird boxes and how to erect them, it may be helpful to readers of the Bulletin to know that bird houses of the most approved type may now be secured from a Staten Island source. Two Museum boys, under the name of the B-K Bird House Service, make these houses in their spare time and invite Staten Islanders and others to try them. Detailed information may be secured at the Museum.

The American Association of Museums will hold its annual meeting in Manhattan from May twenty-first to the twenty-third, inclusive, with headquarters at the American Museum of Natural History. Many papers of interest are to be given by museum people from various sections of the country, covering all phases of the activities of the modern museum. Anyone interested in these meetings may obtain further information at this Museum.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1-155, pls. I - VII.

VOLUME VI, Part I, pp. 1-66, October 1915.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
New Brighton, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. III, No. 11 (Whole No. 107)

JUNE 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Director



Published monthly at Staten Island, N. Y.

Entered as 2d-class matter in P. O. at Staten Island, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

At the annual meeting of the Board of Trustees, held on Saturday evening, May 26, the election of officers of the Association for the year 1917-18 resulted as follows: President, Hon. Howard R. Bayne; first vice-president, William T. Davis; second vice-president, William H. Mitchill; treasurer, Charles A. Ingalls; secretary, Charles W. Leng.

Dr. Arthur Hollick, after thirty-five years of continuous service, first in the old Natural Science Association of Staten Island and subsequently in our present Association, declined the re-nomination as secretary and Mr. Leng, who was one of those present at the meeting when the old Association was organized on November 12, 1881, was selected for the office and consented to serve.

On Saturday evening, June 16, at Sauer's Pavilion, Great Kill, the Board of Trustees gave a complimentary shore dinner to Dr. Hollick, in commemoration of his retirement as secretary. Hon. Howard R. Bayne, Hon. Calvin D. Van Name, William H. Mitchill, William T. Davis, Charles A. Ingalls, S. McKee Smith, F. Winthrop White, James R. Walsh, John Q. Adams and Anton W. Hoffmeyer represented the Board of Trustees. Mr. Charles W. Leng, Mr. Robert W. Gardner and Mr. Howard H. Cleaves were also present.

Recent elections to active membership in the Association by the Board of Trustees are Martin R. Porter, C. S. LePoer Trench, New Brighton; Lot C. Alston, West New Brighton.

The membership of the Association, at the date of the annual meeting, as reported by the secretary, was 309, including active, life, corresponding, honorary and ex-officio members, and patrons.

On Thursday, May 31, at 8:30 a. m., ground was officially broken for our new museum building, at the northeast corner of Stuyvesant Place and Wall Street. No formal exercises were arranged; but the officers of the Association were represented by Hon. Howard R. Bayne, William T. Davis, Charles A. Ingalls and Charles W. Leng; the Museum staff was represented by the Director, Dr. Arthur Hollick; the building committee was represented by Dr. John Q. Adams, chairman, and William G. Willcox, all of whom drove a spade or pick in the ground and then simultaneously turned the first sod as a group picture was photographed.

The Director is pleased to report that eighteen of the mounted animal heads presented to the Museum by F. C. Havemeyer last winter have recently been attached to the walls of the hallways and in certain of the rooms where space was found available. They make a striking display and add greatly to the attractiveness of the Museum.

During the afternoon of Saturday, May 26, the members of the Museum staff enjoyed the privilege of entertaining a delegation of visiting members of the American Association of Museums, which met in New York during that week. The principal features of the occasion were an informal reception and inspection of the

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

Museum and a trip in automobiles to the Britton Cottage. In addition to those present from the museums of Greater New York and vicinity the following institutions were also represented by delegates: the Art Museum and Museum of Natural History, Springfield, Mass., Museum of the Buffalo [N. Y.] Society of Natural Sciences, the Public Museum of Milwaukee, Wisconsin, and the Charleston [S. C.] Museum.

During late May and early June Mr. Cleaves re-visited the east coast of Cape Charles, Virginia, where some time was previously spent in 1911. On both occasions the bird life of the coastal islands and of parts of the mainland was studied and photographed—motion pictures being obtained during this latter expedition.

It was observed that the terns, skimmers and laughing gulls which colonize on the islands and marshes were enjoying a freedom from molestation which was apparently unknown to these birds six years ago, when several photographs of separate eggings parties were secured. In addition to the gregarious sea birds certain shore birds seem to be responding readily to the new conditions. A nest of the oyster-catcher, *Haematopus palliatus* Temm., containing the full complement of three eggs was discovered and photographed, and at least four other pairs of these odd birds were noted. About fifteen pairs of willet, *Catoptrophorus s. semipalmatus* (Gmel.), were counted, and four Wilson's plover, *Ochthodromus w. wilsonius* (Ord.), were seen.

Wardens William Doughty and Thomas Nottingham, in whose hands rests the welfare of these birds, were both encountered on different days among the bird islands. It was obvious that both men were performing their duties thoroughly.

Reference was made in the July, 1916, Bulletin to the status of the purple martin, *Progne s. subis* Linn., in this vicinity, and it was said the bird had never been known to breed on Staten Island. It was stated, however, that "there is no serious reason to think that within three or four years we may not induce a few migrant pairs to establish themselves on Staten Island."

On June 2, 1917, two purple martins—evidently a pair, although neither was in adult male plumage—appeared at the home of the writer at Prince's Bay and took possession of a Jacobs ten-room martin house, which had been erected there about August 1, 1916, or well after the end of the breeding season of that year. Since their appearance the two original birds have been joined temporarily by from one to six others; but these have never remained more than a few minutes at a time. Indeed, the presence of the new birds—contrary to the recognized martin customs—did not appear to be welcome to the "founders." These two pioneers have apparently used the martin house as a night-roost from the beginning, and after a few days began to carry in coarse straws and bits of weed stems for a nest foundation. At present—June 14—the birds have accumulated a noticeable mass of material in the chamber selected by them and now are adding finer straws.

It would seem that the first nesting record for the purple martin on Staten Island is on the point of becoming a fact. H. H. C.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

VOLUME VI, Part I, pp. 1-66, October 1915.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. III, No. 12 (Whole No. 108)

JULY 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Director



Published monthly at Staten Island, N. Y.

Entered as 2d-class matter in P. O. at Staten Island, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

The second and third numbers of volume 6, part 1, of the PROCEEDINGS was mailed on July 20 to all members entitled to receive the same. The first number includes the period from the regular meeting of the Association on October 15, 1915, to that of January 15, 1916. The second number consists of one article only, the Guyon House, by Edward C. Delavan, Jr., which was read at the meeting held on February 19, 1916. The latter is one of the most valuable and interesting of the many contributions to descriptions of old Staten Island land grants that the Association has issued. It is well illustrated with four plates and contains twenty-six pages of text. The first number, also, is almost exclusively concerned with papers of local historical interest, by Ira K. Morris and Arthur Hollick, including an illustrated description of Housman's cave near Castleton Corners, in regard to which numerous inquiries have been made by members, and by visitors interested in Staten Island history.

One of the rarest native plants of North America is the dwarf or erect clematis, *Viorna ochroleuca* (Ait.) Small. It occurs, locally, on the hills and in the mountain regions from Pennsylvania southward to Georgia. Staten Island is the only locality to the north where it grows, and here its distribution is restricted to a limited area of the serpentine ridge from Todt Hill to Richmond, and one of the sand dunes on the margin of the salt meadows near Watchogue.

On Monday, June 11, Mr. Norman Taylor of the Brooklyn Botanic Garden visited Staten Island for the purpose of obtaining specimens in flower, to be photographed in color for the forthcoming flora of New York State, which is to be issued as a State government publication. The Director had the pleasure of acting as guide to the Todt Hill locality and assisting in securing the specimens desired.

The Richmond County Country Club and the residents of the Country Club colony might do much to protect and preserve this rare plant in its native habitat, and they might also make it an interesting feature of their gardens as, apparently, it will stand transplanting if proper care is exercised.

On Saturday afternoon, July 7, an excursion to Staten Island was arranged by the New York Mineralogical Club. Sixteen members and friends of the club, from New York, Brooklyn, Yonkers and Newark were received at the Museum, by invitation of the Director, and spent about an hour examining the collection of local rocks and minerals, afterwards taking a trip to Todt Hill under the guidance of the Director, where the serpentinoid rock and iron ore deposits were studied and specimens collected. The locality specially examined was the interesting area that was the subject of a lawsuit against the City, described in a paper read at the December meeting of the Association in 1908 and printed in the PROCEEDINGS, volume 2, pages 144-47.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

Members who are actively interested in the Museum occasionally inquire of the Director what specific things are wanted which would add to the attractiveness of the Museum, or be conducive to the convenience of the public and the prosecution of the Museum work in general.

One of our members, for example, provided a handrail for the steps leading up to the front entrance, which was urgently needed as a measure of safety during the winter, and shutter fastenings that are worked from the inside, which have proved a great convenience in stormy weather. Other members have donated text books and manuals needed in connection with the identification and classification of specimens; and others have responded to appeals for financial assistance for specific objects.

The needs of the Museum are many; but the Director would suggest that a new flag would be a welcome and timely gift just now, to replace the one that has done duty for so many years and is no longer in a condition that is creditable to the Association.

Recent elections to active membership in the Association by the Board of Trustees are Dr. Robert H. Pentz and Dr. James B. Pentz, Stapleton.

Recent accessions to the library, of local historical and antiquarian interest, include copies of several little known old maps of Staten Island, a number of original old deeds and other documents and several rare litographs and engravings representing views of Staten Island scenery taken in the early part of the last century.

The material in our possession relating to local history is becoming more and more widely known and appreciated. Visitors in quest of information come from considerable distances to study in and consult the library, and many requests for information are received by mail and telephone. A separate room, devoted exclusively to our Staten Island maps, prints, documents and literature, suitably arranged for exhibition and with adequate facilities for research work, could be made an exceedingly attractive as well as valuable local feature of our Museum.

Since the last list of donors was published, in the March issue of the BULLETIN, donations to the museum collections and library have been received from Anonymous, R. H. Britton, Mrs. Nano E. Chapin, James W. Clawson, Howard H. Cleaves, Mrs. E. Davis, W. T. Davis, Mrs. L. A. Dreyfus, Lillian Fieldman, Alexander Forsyth, John Hall, F. J. Heal, J. Blake Hillyer, Henry Holder, Arthur Hollick, Arthur Jacobs, Selmer Jensen, Thaddeus Kroplinski, William La Varre, Theodore Luhrs, Jacob Metzler, Benjamin Neisner, Charles L. Pollard, John Rader, C. W. Schutzenstorff, Mrs. Billopp Seaman, H. J. Sharrett, Henry Stolzenthaler, Alfred Trigg, George W. Tuttle, D. M. Van Name.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1-155, pls. I - VII.

VOLUME VI, Part I, pp. 1 - 66, October 1915; pp. 67 - 112, October 1915 - January 1916; pp. 113 - 139, February 1916.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.

MUSEUM BULLETIN

OF THE

STATEN ISLAND ASSOCIATION

OF

ARTS AND SCIENCES

NEW SERIES

VOLUME IV

August 1917 to May 1918

Edited for the Publication Committee

by

ARTHUR HOLICK, Director

Staten Island, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. IV, No. 1 (Whole No. 109)

AUGUST 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Director



Published monthly at Staten Island, N. Y.

Entered as 2d-class matter in P. O. at Staten Island, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

NOTICE

In response to frequent inquiries it has been thought advisable to issue the following items of information:

The Museum is opened to the public daily, except Sundays, from 10 a. m. to 5 p. m.

The Director is customarily present from 9 a. m. to 6 p. m., and will meet members and others in the evenings, by appointment, whenever possible, to facilitate study of the collections and to advise in regard to research work in connection with the library.

Wednesdays are tentatively reserved by the Director for visiting other museums, and Saturdays, when time is available, are reserved for field work. Members who are interested in general museum activities, or who may desire to learn how museum specimens are collected and prepared, are always welcome to participate in any of the trips made for the purposes mentioned.

The Torrey Botanical Club enjoyed three field meetings on Staten Island the present summer. On June 16 the region in the vicinity of Richmond Valley and Kreischerville was explored, with the special object of collecting plant rusts and fungi. On August 4th the region traversed was from Pleasant Plains to the shore at Prince's Bay Bluff, under the guidance of the Director. On August 11th "Salt Water Day" was celebrated by a shore dinner at Sauer's Hotel, Great Kills, at which twenty-one members of the Club were present.

In the July issue of the BULLETIN it was suggested that a new flag would be a welcome and timely gift to the Museum. Within forty-eight hours after the BULLETIN was mailed two of our members responded, each asking to be accorded the privilege of supplying it.

The offer of Mrs. Elizabeth Davis - the one first received - was accepted, and a handsome 5x8 flag was purchased. Mrs. Davis also generously included a new staff, and defrayed the expenses of erecting it, in the southeast corner of the grounds. Our new flag is now displayed, as the old one was not, in a suitable location and in a dignified manner.

The Director is also pleased to announce that the other applicant for the privilege, Mr. Charles D. Durkee when informed that a similar offer had already been received

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

and accepted, asked to be advised if there was any other need of the Museum which he could supply, instead of the flag. The purchase of a certain rare and interesting old lithographic birdseye view of New York Harbor and the adjacent part of Staten Island, published in 1854, was suggested. Mr. Durkee promptly transmitted his check for \$25.00 and the picture was secured.

Our collection of old maps, prints, documents, and literature relating to Staten Island is one which the Association has the opportunity to make almost complete. Unlike other museum material the items are definite individual entities, limited in number, and may be acquired by purchase as opportunities arise. Many desirable items could be secured in the near future if a sum of \$50.00 was available for the purpose, and an immediate contribution of \$5.00 would assure the acquisition of two rare old colored engravings by Wallis, issued in 1838—New York Bay from the Telegraph Station [Staten Island], and the Narrows from Fort Hamilton.

Among recent accessions to our library are "Poems by Alan Seeger," and "Letters and Diary of Alan Seeger." The author was a Staten Island boy the first ten years of his life, from 1889-1899, and he is remembered by many of us, especially, no doubt, by those who were his companions and playmates at the Staten Island Academy. He joined the Foreign Legion of France at the outbreak of the European war and was killed on the battlefield of Belloy-en-Santerre July 4, 1916. Every Staten Islander may justly feel proud that the author of these volumes was once a resident here. They can not fail to prove an inspiration to all who may read them, even to the slacker or the pacifist, and should be read by everyone who admires the courage that prefers death in a struggle to preserve ideals rather than living in peace and comfort while others are doing the world's work for them.

His poem "I Have a Rendezvous with Death," has already become a classic, and its closing lines are prophetic of what he expected his end would be:

" . . . I've a rendezvous with Death,
At midnight in some flaming town,
When Spring trips north again this year,
And I to my pledged word am true,
I shall not fail that rendezvous."

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1 - 136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1 - 251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1 - 216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1 - 148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1 - 155, pls. I - VII.

VOLUME VI, Part I, pp. 1 - 66, October 1915; pp. 67 - 112, October 1915 - January 1916; pp. 113 - 139, February 1916.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. IV, No. 2 (Whole No. 110)

SEPTEMBER 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Director



Published monthly at Staten Island, N. Y.

Entered as 2d-class matter in P. O. at Staten Island, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

A new exhibit has been installed in the general biology room, consisting of four skins of the Greater Bird of Paradise (*Paradisaea apoda*.) These are part of a lot of 527 skins that were seized at Laredo, Texas, January 29, 1916, by the Division of Customs, U. S. Treasury Department. The birds were victims of the trade in plumage and feathers for millinery purposes.

In common with other wild bird plumage their importation into or sale in the United States is prohibited by law, and they were seized and originally condemned for destruction in accordance with the provisions of the law. Subsequently, however, the Government decided that the skins might be made to serve a useful educational purpose by distributing them to certain museums throughout the States, under written pledge that they would be guarded against theft and neither sold, exchanged or given away, and that they would be displayed with a suitable label explaining how they came into the possession of the museum.

The conservation of wild bird life, for esthetic as well as economic reasons, is rapidly becoming the policy of all civilized countries, not only by prohibiting the killing of their own native birds but also by prohibiting the importation of feathers and plumage from other countries. As a concrete example of what the United States is doing in the latter connection these skins constitute an interesting exhibit, aside from the beauty of color and form of the plumage.

On September 11, 12 and 13 the Director had the privilege of acting as guide for Mr. Alexander Gershoy of the New York State College of Agriculture, who is engaged in collecting botanical specimens for the college herbarium. The salt marsh flora of the island was studied and collected in the vicinity of Old Place and Mariner's Harbor; the Clove Valley was selected as the best region for fresh-water swamp and pond plants; Todt Hill was visited for the express purpose of collecting fruiting specimens of the rare upright clematis, *Viorna ochroleuca* (Ait.) Small; and the sand dune region from Kreischerville to Prince's Bay was explored for specimens characteristic of the pine barrens.

Staten Island has always been a favorite collecting ground for botanists, on account of its geographic location and the diversity of its geologic and topographic features, which have resulted in the establishment here of a flora of unusual extent and variety. Several of our local species of plants are not recorded from elsewhere in New York State.

On Saturday next, September 29, the Stony Brook Association will hold its annual reunion at the Stony Brook site, on the Amboy road at New Dorp. Those who wish to join in making it an all day social occasion may bring luncheon. The usual patriotic program, consisting of music and addresses, will begin at 2 P.M.

The circular of announcement is signed by Ira K. Morris, president; Mary Walcott Green, secretary; Ida Dudley Dale, as-

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

sistant secretary; and we are pleased to note that "all who have an interest in local history are cordially invited to attend." It is with pleasure and best wishes for a successful gathering that this brief notice is printed in the BULLETIN. Our members in general should avail themselves of this opportunity, so courteously tendered, to learn what this association has done and is doing in an effort to locate and preserve an interesting historic site of former social and civic activities on our island.

The June BULLETIN contained an account of a pair of purple or "blue" martins, *Progne s. subis* Linn., which appeared at Prince's Bay and started nest-building in the early part of that month. As a matter of record it may now be stated that these birds hatched three young -one dying in the nest from an unknown cause and two being successfully brought off.

After once falling from the nest, as the result of a premature effort to fly, the last youngster finally got away on strong wings August 13th. For a week and a half thereafter the martins returned each morning to the vicinity of the house, sometimes circling near it, but more frequently resting on wires or dead tree-tops. These gatherings included not only the birds that had bred, but also from seven to sixteen visitors. After wintering in Central and South American it is almost certain that, with the return north of the purple martin in 1918, a strong colony of several pairs will be established at Prince's Bay.

Eaton, in his Birds of New York, states that the purple martin is very local in its distribution; that only one half or one third of the villages and cities which were summer homes of this species fifty years ago are now inhabited by it; and that unless protection is afforded against the English or house sparrow the remaining colonies of martins will be extirpated within a generation.

Staten Island probably supports a maximum quota of house sparrows and in addition it is thickly populated by the European starling—this bird often proving more obnoxious than the sparrow (if that be possible) owing to his greater size and strength. Both are cavity-nesting species and both, therefore, are apt to prove a menace to the martin unless the latter be given human assistance.

However, to undertake a complete or even a local extermination of the starling or sparrow on Staten Island must be recognized as a practical impossibility. No attempt, therefore, was made to exclude these species from the neighborhood of the martins, but they were effectively controlled by being allowed to breed freely in nearby nest-boxes better suited to their needs than was the martin house. Only one attempt was made against the latter —by a pair of sparrows—and when they had become established the male was killed and the nest and contents destroyed. The female, after remaining for two days in hopeful uneasiness, departed—probably to seek a second mate in parts unknown.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

VOLUME VI, Part I, pp. 1-66, October 1915; pp. 67-112, October 1915-January 1916; pp. 113-139, February 1916.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

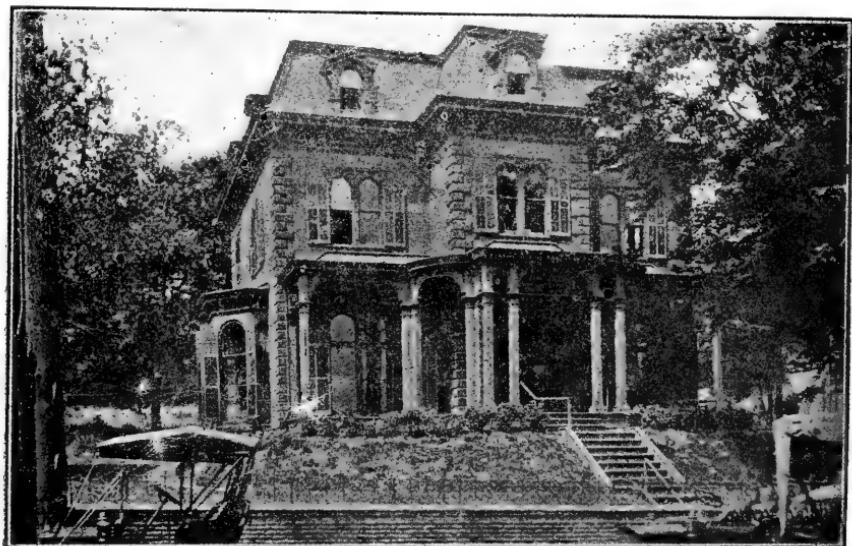
The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. IV, No. 3 (Whole No. 111)

OCTOBER 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Director



Published monthly at Staten Island, N. Y.

Entered as 2d-class matter in P. O. at Staten Island, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, on **Saturday evening, October 20, 1917**, at 8.15 o'clock.

In accordance with the policy approved by the Program Committee the October meeting is, as usual, reserved for any communications of general interest that members may be prepared to present.

Recent important accessions to the museum collection and library will be shown and briefly discussed by the Director.

The museum exhibit, prepared and installed in connection with the Mayor's Aqueduct Celebration Committee, will be explained and described. A preliminary list of the items on exhibition is printed on the following page of the BULLETIN.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite to the meetings any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Woman's Auxiliary Committee after the adjournment of each meeting.

CHAS. W. LENG
Secretary.

In the August issue of the BULLETIN acknowledgement was made of the gift of a new flag and staff to the Museum, by Mrs. Elizabeth Davis. Since then Mrs. Davis has generously provided a twenty-eight foot, steel pole, to replace the wooden staff, and defrayed the expenses of its erection. On Columbus Day, Friday October 12, the flag was raised to its new position for the first time.

The Director is pleased to announce that two subscriptions of \$5 00 each have been received, in response to the appeal printed in the August issue of the BULLETIN, for contributions to a fund for the purchase of old prints, maps, etc., relating to Staten Island. Several valuable items have been secured; but others equally valuable and interesting, deposited on approval at the Museum, could not be purchased by reason of lack of available means. Contributors to this fund may be assured that it will be expended only for the purchase of items of local historical interest.

At the regular meeting of the Board of Trustees held on October 6 the President was authorized to appoint a committee to arrange a program of exercises to be held in connection with the laying of the corner stone of the new Museum building. **As we go to press word is received that the stone will be laid on Saturday afternoon October 20.**

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

CATSKILL AQUEDECT CELEBRATION EXHIBIT

in co-operation with

The Sub-Committee on Art, Scientific and Historical Exhibitions
of
The Mayor's Catskill Aqueduct Celebration Committee

. Preliminary List of Exhibits

1. Wooden water main, made by boring out the centre of a log. This was part of the public water supply system in use in lower Manhattan during the period from 1800 until the introduction of the Croton Water about 1835.

The water was obtained from a well located at Reade and Centre streets and was pumped to a reservoir on Chambers street, from whence it was distributed through the wooden mains.

2. Specimens described in Dr. Arthur Hollick's paper on some Botanical and Geological Features of the Silver Lake Basin. (Read at the meeting of the Association October 17, 1914, and published in the Proceedings, vol. 5, pp. 60-65.)

3. (a) Silver Lake as it was in 1859. (Photograph by H. Hoyer.)
(b) View from approximately the same point, showing the basin partly drained.

(Photograph by H. H. Cleaves, September 29, 1914.)

4. (a) Silver Lake as it was in 1896. (Photograph by Otto Loeffler.)
(b) View from approximately the same point, showing the basin partly drained.

(Photograph by H. H. Cleaves, September 29, 1914.)

5. Views of the Silver Lake basin, after the water had been drained off, showing interesting botanical and geological features. (Photographs by H. H. Cleaves, September 29, 1914.)

6. Views of Silver Lake reservoir after the Catskill water had been turned in. The background in each shows the Silver Lake basin. The foreground in each shows the artificial basin made by constructing a dam across Logan's Spring valley. (Photographs by J. A. Rundlett, October 8, 1917.)

7. Logan's Spring. The site of this formerly well-known spring is now at the bottom of the northeastern part of the reservoir. (Photograph by William T. Davis, November 30, 1911.)

8. The Hessian Springs. These springs were located between Jersey street, Westervelt avenue, Fifth street and Crescent avenue, New Brighton. They were formerly an important source of water supply for the neighborhood. (Photograph by E. C. Delavan, Jr., 1902.)

9. (a) Members of Staten Island Battery, Veteran Corps of Artillery, at Headquarters, Ardsley Sector, Catskill Aqueduct, September 1917. The Staten Island Battery was Battery A, First Provisional Regiment, New York State Militia.

(b) Hon. Howard R. Bayne, Staten Island Battery, Veteran Corps of Artillery, returning from inspection of culvert under Catskill Aqueduct, while on guard duty at fixed post No. 8, Ardsley Sector, September 14, 1917.

10. Photographs of the pumping stations and reservoirs of the several water supply systems on Staten Island. (Contributed by the Dept. Water Supply, Gas and Electricity. John W. McKay, Borough Engineer in charge.)

11. Catalog of works and articles relating or containing references to sources of water supply for Staten Island. Twenty-eight titles are listed, all of which are in the library of the Museum.

12. A newspaper account of the Catskill water supply project fourteen years ago. (New York Sun, October 11, 1903.)

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1 - 136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1 - 251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1 - 216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1 - 148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1 - 155, pls. I - VII.

VOLUME VI, Part I, pp. 1 - 66, October 1915; pp. 67 - 112, October 1915 - January 1916; Part II, pp. 113 - 139, February 1916.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. IV, No. 4 (Whole No. 112)

NOVEMBER 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Director



Published monthly at Staten Island, N. Y.

Entered as 2d-class matter in P. O. at Staten Island, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, on **Saturday evening, November 17, 1917**, at 8.15 o'clock.

The following resolutions will be submitted, which will be subject to discussion and action at the regular meeting of the Association in December:

Resolved, that in view of the prospective future development of the Museum of the Association and the nature of the public educational activities which it maintains and fosters it is advisable that the corporate name of the Association be changed from Staten Island Association of Arts and Sciences to Staten Island Institute of Arts and Sciences.

Resolved, that the Board of Trustees be and is hereby requested to take such action as may be necessary to legalize and effect the change in name above suggested, and that the Constitution and By-laws of the Association be thereupon declared amended in conformity therewith.

Mr. Arthur A. Michell will deliver a lecture on "Egypt, the land of the Pharaohs, an illustrated talk on some recent excavations proving that Moses was a correct historian."

Visitors are welcome at all regular meetings of the Association, and members are urged to invite to the meetings any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Woman's Auxiliary Committee after the adjournment of each meeting.

CHAS. W. LENG
Secretary.

The November course of free illustrated lectures for children is as follows:

Nov. 2—The Grand Canyon of Arizona and the Giant Trees of California, by Dr. Arthur Hollick. Nov. 9—Historic Battlefields of the Champlain Valley, by Mr. J. W. Wiseman. Nov. 16—The Island of Hayti and Santo Domingo, by Mr. Norman Taylor. Nov. 23—Adventures Among the Indians, by Mr. Alanson B. Skinner. Nov. 30—Notes on Nature Study, by Mr. Walt F. McMahon.

The lectures on November 2 and November 9 were repeated in order that the children who could not be seated the first time should not be excluded from hearing them. The total attendance at these two lectures was 380.

Members of the Association, and any residents of Staten Island who are interested in public educational work, are cordially invited to come to the Museum any Friday afternoon at four o'clock and judge of the results that are being accomplished in this connection.

Recent elections to active membership in the Association by the Board of Trustees are Mary Wood Daley, Stapleton, and Mrs. Frank Smith, New Brighton. Applications for membership should be in the hands of the secretary previous to the next meeting of the Board on December 1.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

In the October issue of the BULLETIN a preliminary list was printed of the museum exhibits in connection with the Catskill Aqueduct Celebration. Since then a complete descriptive catalog of the exhibits has been issued, of which a limited number are available for distribution. The exhibit will remain on display only until December 15, and members of the Association should take advantage of the opportunity to view these instructive and systematically arranged items of local interest.

On Saturday afternoon, October 6, Staten Island Chapter, Daughters of the American Revolution, gave a colonial tea at the Britton Cottage, which was a thoroughly successful and enjoyable social function. About eighty members and guests of the chapter were present. Dr. John Q. Adams gave the formal address of the day. Incidentally the occasion also served to celebrate the completion of the work of renovating and furnishing the dining room of the cottage under the joint auspices of the chapter and the Association.

The living room, hallway, dining room, and kitchen are now renovated and appropriately furnished, thanks to the cordial co-operation and assistance of the several local D. A. R. chapters, and a visit to the cottage will well repay anyone who is interested in old colonial architecture and furnishings.

The corner stone of our new Museum building was laid on Saturday afternoon October 20, with suitable exercises and in accordance with the program arranged by the committee in charge. Construction has proceeded steadily since then, and at date the basement walls are completed and ready for the laying of the first-floor supports. If no unforeseen delay occurs we are promised by the contractor that the building will be ready for occupancy in the early spring of the coming year.

Since the last list of donors was published, in the July issue of the BULLETIN, donations to the Museum collections and library have been received from Howard R. Bayne, Isador Bernstein, R. H. Britton, Thomas Bryan, John D. Clarke, Helen E. Cleaves, Howard H. Cleaves, Elizabeth Corning, Gustaf Dahn, Mrs. Elizabeth Davis, Charles N. Disosway, Charles D. Durkee, William Epstein, Peter Garrigan, John Hall, William R. Hillyer, Milton Hoge, Arthur Hollick, R. W. Howland, John W. McKay, S. L. Mershon, William H. Mitchill, Mrs. N. J. Pluymart, Agnes L. Pollard, Edith M. Pollard, Alanson Skinner, Henry Stolzenthaler, Frank D. Tansley, Earl F. Tewksbury, Edward Wangenstein, Mrs. H. Prescott Wells.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

VOLUME VI, Part I, pp. 1-66, October 1915; pp. 67-112, October 1915-January 1916; Part II, pp. 113-139, February 1916.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. IV, No. 5 (Whole No. 113)

DECEMBER 1917

Edited for the Publication Committee
by ARTHUR HOLICK, Director



Published monthly at Staten Island, N. Y.

Entered as 2d-class matter in P. O. at Staten Island, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, on **Saturday evening, December 15, 1917**, at 8.15 o'clock.

The following resolutions, submitted at the November meeting of the Association, will be on the order of business for discussion and action:

Resolved, that in view of the prospective future development of the Museum of the Association and the nature of the public educational activities which it maintains and fosters it is advisable that the corporate name of the Association be changed from Staten Island Association of Arts and Sciences to Staten Island Institute of Arts and Sciences.

Resolved, that the Board of Trustees be and is hereby requested to take such action as may be necessary to legalize and effect the change in name above suggested, and that the Constitution and By-laws of the Association be thereupon declared amended in conformity therewith.

Dr. James Sullivan, Director of the Division of Archives and History, New York State Department of Education, will deliver an address on the Battle of the Marne.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite to the meetings any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Woman's Auxiliary Committee after the adjournment of each meeting.

CHAS. W. LENG
Secretary.

THE ANNUAL MEETING OF THE SECTION OF HISTORICAL RESEARCH will be held at the Museum on **Saturday evening, January 12, 1918**.

Officers of the Section for the year 1918 are to be elected and such other business will be transacted as may come before the meeting.

Mr. George W. Tuttle and Dr. Arthur Hollick will present and discuss certain interesting old local maps, deeds, receipts, warrants, etc., recently donated to the Association.

S. MCKEE SMITH,
Recorder.

Recent elections to active membership in the Association by the Board of Trustees are Mr. George Schrieb, Stapleton, and Mr. Charles E. Fannon, New Brighton.

The November course of free illustrated lectures for children resulted in a total attendance of 732, and an average attendance of 146 for each lecture. On three occasions the lecture was repeated in order to accommodate the children who could not be seated the first time. On November 23 Mr. Alanson B. Skinner was unable to appear as scheduled, by reason of de-

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

tention on business in Canada, and Mr. Harold K. Decker kindly filled his place with a lecture on Protection of Birds in Winter.

The schedule for December is as follows:

Dec. 7—A Short Talk about Faerie People, by Mr. J. L. G. McMahon. Dec. 14—Adventures Among Indians, by Mr. Alan-son B. Skinner. Dec. 21—A Trip to Hawaii, by Miss M. D. Lee. Dec. 28—A Christmas Song Rally, by Miss Edith M. Pollard.

The task of packing and planning for removal to our new building is occupying all the available time and attention of the museum staff, to the exclusion of other activities not absolutely essential to the proper maintenance of the Museum as a public institution. The installation of any new exhibits will not be possible in our present quarters; but every effort will be made to preserve an attractive display of such material as experience has shown to be of greatest interest to children and to the average adult visitor.

Facilities for local historical research in connection with the library will not be disturbed until the latest possible date, in as much as this is one of the special features of our Museum of which the best advantage appears to be taken by those in search of definite information, and is the feature which is apparently most appreciated, as indicated by the complimentary acknowledgements received from several of our visitors, and the time spent by many of them consulting our literature, maps and documents.

Recent interesting issues of the Farmers' Bulletin, U. S. Department of Agriculture, are No. 842—Modern Methods of Protection Against Lightning, by Roy M. Covert; No. 844—How to Attract Birds in the Middle Atlantic States, by W. L. McAtee; No. 845—The Gipsy Moth and the Brown-Tail Moth and Their Control, by A. F. Burgess; No. 851—The House Fly, by L. O. Howard and R. H. Hutchinson; No. 861—Removal of Stains from Clothing and other Textiles, by Harold L. Lang and Anna H. Whittelsey; No. 896—House Rats and Mice, by David E. Lantz; No. 902—The Silverfish or "Slicker," an Injurious Household Insect, by E. A. Back.

These publications are written in popular language, excellently illustrated, and contain a wealth of authoritative general information such as the average person is constantly seeking. They are regularly received and placed on file in the library of the Museum, where they may be consulted by any visitor, or copies may be obtained free by addressing the Division of Publications, U. S. Department of Agriculture.

Since the last issue of the BULLETIN, donations to the Museum collections and library have been received from Philip Dowell, Mary S. Francis, Alaric Hansen, F. J. Heal, Arthur Hollick, Walter S. Mayer Jr., Louis A. Pape, L. R. E. Paulin, Horatio J. Sharrett, Lawrence Snyder, James Sullivan, George W. Tuttle.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

Only a limited number of complete sets of the older volumes is now in stock, and orders for these will be filled in the order of application. The right is reserved to withdraw any part or numbers from sale at any time.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1-136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1-155, pls. I - VII.

VOLUME VI, Part I, pp. 1 - 66, October 1915; pp. 67 - 112, October 1915 - January 1916; Part II, pp. 113 - 139, February 1916.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. IV, No. 6 (Whole No. 114)

JANUARY 1918

Edited for the Publication Committee
by ARTHUR HOLICK, Director



Published monthly at Staten Island, N. Y.

Entered as 2d-class matter in P. O. at Staten Island, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, on **Saturday evening, January 19, 1918**, at 8.15 o'clock.

Ice phenomena at Prince's Bay during the recent cold spell will be described by Mr. Howard H. Cleaves, illustrated with photographs and lantern slides.

Contributions on local natural history subjects will be presented by several members of the Section of Natural Science.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite to the meetings any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Woman's Auxiliary Committee after the adjournment of each meeting.

CHAS. W. LENG
Secretary.

It is with more or less trepidation that the customary notice is issued for the regular meeting of the Association at the Museum this month. The fuel situation is acute, as it is in connection with most other buildings, public and private, causing constant apprehension and discomfort, and interfering seriously with the proper maintenance of the Museum and the prosecution of its activities. The difficulty of obtaining coal and the necessity for economizing it has rendered adequate heating of the building impossible. During the late cold wave, on the nights of December 30 and 31 and January 1, when the record-breaking temperature of 14 degrees below zero was reached, the water in some of the fire buckets in the main hall of the Museum froze solid and they had to be thawed out each morning. For three days certain of the water pipes were frozen but, fortunately, without any damage resulting. All permits for the use of the assembly room were cancelled and the Friday afternoon lectures for children were omitted until further notice. The Museum has not been closed, however, although during the three coldest days only the most necessary routine work could be prosecuted, and that under trying conditions of discomfort.

At the regular December meeting of the Association the resolution in regard to changing the name of the Association to Staten Island Institute of Arts and Sciences was adopted, and the Board of Trustees has since taken steps to secure the legislative action necessary to legalize the change.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

Part 2 of volume 6 of the PROCEEDINGS, covering the period from February to May 1916, inclusive, was mailed on January 11. The leading article, by Arthur Hollick, is an obituary of Sanderson Smith, the first president of the old Natural Science Association of Staten Island in 1881, accompanied by a portrait of Mr. Smith, with his signature, reproduced from a photograph taken at the time when he was the presiding officer of the Association.

When the edition of the PROCEEDINGS was received from the printer the portraits were found to be defective. They were all removed and destroyed and a new issue printed, which explains the reason for the unbound portrait in each number.

It will doubtless interest our members to learn that there were 19,869 visitors to the Museum during the year 1917. The highest previous record was 15,736 in 1916. We had good reason to hope that the twenty-thousand mark would be reached; but the inclement weather in December lessened the number anticipated and for the first and only time during the year the monthly attendance was under one thousand.

The December course of free illustrated lectures for children called forth a total attendance of 213, and an average attendance of 54 for each occasion. The only change in the schedule as printed in the December BULLETIN was on December 14, when Dr. Arthur Hollick lectured on the Yosemite Valley in place of Mr. Alanson Skinner on Adventures Among Indians. The Christmas Song Rally on December 28, under the direction of Miss Edith M. Pollard, assisted by Miss Ethel Curtis, Miss Lucy Curtis, Mrs. R. S. Armstrong, Mrs. Charles A. Ingalls, and Mrs. Henry A. Craig, vocalists, and Messrs. Robert Craig, Sherman Ingalls and Theodore Koenig, violinists, was attended by 59 children.

Since the last list of donors was published in the BULLETIN accessions to the Museum collections and library have been received from Howard H. Cleaves, Miss Bessie E. Davis, Charles N. Drossoway, H. Fredericks, Frank J. Heal, J. Blake Hillyer, Arthur Hollick, Mrs. George M. Lillie, Horatio J. Sharrett, and George W. Tuttle.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

VOLUME VI, Part I, pp. 1-66, October 1915; pp. 67-112, October 1915-January 1916; Part II, pp. 113-139, February 1916; pp. 141-191, February-May 1916.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. IV, No. 7 (Whole No. 115)

FEBRUARY 1918

Edited for the Publication Committee
by ARTHUR HOLICK, Director



Published monthly at Staten Island, N. Y.

Entered as 2d-class matter in P. O. at Staten Island, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, on **Saturday evening, February 16, 1918**, at 8.15 o'clock.

Mr. C. G. Hine will exhibit selections from a collection of war posters and discuss their intended purposes and artistic features.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite to the meetings any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Woman's Auxiliary Committee after the adjournment of each meeting.

CHAS. W. LENG
Secretary.

A MEETING OF THE SECTION OF HISTORICAL RESEARCH will be held at the Museum on **Saturday evening, February 23**.

In accordance with the request of members present at the previous meeting of the Section, Mr. S. L. Mershon will exhibit and discuss certain old and little known ~~snaps~~ ^{maps} of Staten Island and vicinity.

Recent elections to active membership in the Association by the Board of Trustees are Ernest L. Baldwin, Arrochar, and Louis A. Pape, Stapleton.

Since the last list of donors was published in the BULLETIN accessions to the Museum collections and library have been received from Howard R. Bayne, William A. Davis, Jennie Foote, Francis C. Hagadorn, Arthur Hollick, John W. McKay, Eleanor Miller and John Rader.

It was with feelings of keenest regret that, by reason of the impossibility of providing the fuel necessary for the heating of the assembly room, the Friday afternoon lectures for children had to be abandoned after the termination of the December course. Scores of children called at the Museum on Fridays in the early part of January, expecting or hoping that the lectures would be continued. In answer to all inquiries the only information that could be imparted was to the effect that a course would be arranged if conditions should permit, and in that event due notice would be given.

The first course of these lectures was begun in December 1908 and there has been no break in the sequence until this

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

year. These courses represented the feature of the Museum activities that attracted the largest element in our community and the unfailing support of those for whose entertainment and instruction they were arranged. As indicative of their popularity it may be noted that an attendance of 2,537 was recorded in connection with the twenty-two lectures included in the two courses given in 1917, an average of 115 at each lecture.

During the month that has elapsed since the last number of the BULLETIN was issued the Museum activities have been reduced to a minimum. The fuel situation has become more serious than ever before, and only the most necessary and urgent routine and emergency work has been feasible. Coal can only be obtained in small amounts from time to time and the Museum was kept open on a day to day basis until February 4 when our supply was exhausted and no more could be had.

On February 6 it became necessary to place the following notice in the main entrance door:

MUSEUM CLOSED TODAY
on account of lack of fuel.

Persons having business with the
Museum or with any member of
the staff will please ring the bell.

The Museum will not again be open to the public until sufficient coal is secured to maintain a fire in the furnace for at least several days; but the Director and Curators will be pleased to receive and welcome any members of the Association in the temporary official headquarters in the kitchen, at all reasonable hours. Any contribution of coal, however small in amount, may be delivered at any hour of the day or night, at the front, rear, or cellar door, with the assurance that it will be thankfully received and put to good use.

As we go to press we are pleased to announce the receipt of two bags of coal, brought to the Museum late last evening by Mr. H. H. Cleaves, in his automobile, all the way from Princes Bay. A few shovelfulls of this supply will be reserved to heat the assembly room for the meeting of the Association on Saturday evening. The remainder will be used to maintain a fire in the kitchen range for as long a time as it can be made to last. Who else is in a position to assist and to earn the gratitude of those who are endeavoring to safeguard the Museum and its contents under trying and uncomfortable conditions?

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

VOLUME VI, Part I, pp. 1-66, October 1915; pp. 67-112, October 1915-January 1916; Part II, pp. 113-139, February 1916; pp. 141-191, February-May 1916.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. IV, No. 8 (Whole No. 116)

MARCH 1918

Edited for the Publication Committee
by ARTHUR HOLICK, Director



Published monthly at Staten Island, N. Y.

Entered as 2d-class matter in P. O. at Staten Island, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, on **Saturday evening, March 16, 1918**, at 8.15 o'clock.

Mr. Frank C. Kaye will give an illustrated description of the black fox industry in the maritime provinces of Canada, including an exhibition of pelts and an account of the breeding of fur bearing animals in captivity in the United States.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite to the meetings any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Woman's Auxiliary Committee after the adjournment of each meeting.

CHAS. W. LENG
Secretary.

The fuel situation apparently reached the climax of its seriousness last month when the Museum, for the first time in its history, was temporarily closed to the public from February 6 to 13 inclusive, by reason of the impossibility of obtaining coal. Since the latter date we have been able to obtain small amounts from time to time and, although on several occasions the supply became exhausted, the Museum was not again closed, even though the heating of the building was inadequate and but little work could be accomplished other than that of sorting and packing preparatory to removal to our new quarters.

War conditions have interfered with the Museum activities in many ways, occasionally in some manner entirely unexpected. Last month, for example, we were unable to replenish our stock of manila envelopes for mailing the BULLETIN and were under the necessity of utilizing the few that remained and any others that were available at the time. Copies of this issue were, therefore, mailed to members of the Association only, and exchanges and others who were unavoidably omitted from last month's mailing list will find the February BULLETIN enclosed with the current number.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

Members of the Association who are interested in the varied activities of the Museum, and who realize the many obstacles which are constantly encountered by the museum staff in prosecuting its work efficiently and economically, occasionally ask to be advised how they can be of assistance. Several of our most urgent needs have thus been provided for, but many others yet remain upon our list of desiderata. Certain reference books, for example, are wanted for office and curatorial work, especially French, German and Latin dictionaries; and members can, doubtless, contribute old copies of such books no longer in use. Also, a current almanac would be a welcome addition to our office library.

One of the little known items of our Museum collections which has been steadily growing, mostly by means of small accessions from time to time, may be classified under the title "numismatics" and includes coins of all kinds and medals.

Our coins now number about 400 specimens, representing nearly all the nationalities of the modern world and several of more ancient date. The largest single accession in this connection is the collection of the late Dr. Frederick Hollick, 241 specimens, recently donated by Dr. Arthur Hollick. Some of these are only provisionally identified and the antiquarian interest and value of the individual coins have not been determined. The medals number sixty specimens, representing various domestic and foreign commemorative occasions, local civic events, etc. The principal donor in this connection is Mr. J. Blake Hillyer. The Director would be pleased to hear from any of our members who could assist in identifying and appraising the specimens included in this item of our collection.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

VOLUME VI, Part I, pp. 1-66, October 1915; pp. 67-112, October 1915-January 1916; Part II, pp. 113-139, February 1916; pp. 141-191, February-May 1916.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.

MUSEUM BULLETIN
OF THE
STATEN ISLAND ASSOCIATION
OF
ARTS AND SCIENCES

New Series Vol. IV, No. 9 (Whole No. 117)

APRIL 1918

Edited for the Publication Committee
by ARTHUR HOLICK, Director



Published monthly at Staten Island, N. Y.

Entered as 2d-class matter in P. O. at Staten Island, N. Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE NEXT REGULAR MEETING OF THE ASSOCIATION will be held in the assembly room of the Museum, 154 Stuyvesant Place, Saint George, on Saturday evening, April 20, 1918, at 8.15 o'clock.

Captain Francis D. Murphy will deliver an address on Big Game Hunting in the Soudan, based upon personal experiences.

Visitors are welcome at all regular meetings of the Association, and members are urged to invite to the meetings any friends who may express a desire to attend. Light refreshments are served and an informal reception is held by the Woman's Auxiliary Committee after the adjournment of each meeting.

CHAS. W. LENG
Secretary.

The Director takes pleasure in acknowledging, with the thanks of the Museum staff, the receipt of a French, a German, and a Latin dictionary from Mr. Stafford C. Edwards, donated in response to the appeal printed in the March issue of the BULLETIN. A Spanish dictionary also has recently come into our possession.

Those who are not familiar with the multifarious activities connected with Museum duties do not realize the many ways in which certain much needed commonplace items, such as many of our members could easily supply, would be of practical value in economizing time and labor, promoting efficiency, and producing desired results. A list of desiderata will be issued as soon as we are installed in our new building, and in this way our members will be afforded opportunity to render material assistance to the museum staff in their effort to make the institution as attractive and as important an educational feature of the community as possible.

Now that the phenomenal cold weather of last winter is a thing of the past and the coal shortage is not an immediate source of worry, it may be noted that our Museum did not suffer to the same extent as did some others. From the *Museum News* of the Children's Museum of Brooklyn, for February and March, the following item in this connection is abstracted:

"Not until the last shovelful was in the furnace, and the dealers reluctantly admitted that no more coal was obtainable, did we close the Museum to the public, on December 29. That night the mercury sank to six degrees below zero, subjecting the plumbing and heating to the severest strain in its history . . . Fortunately none of the exhibits were injured by water from bursting pipes, though the damage to plumbing was considerable. The work of replacing pipes and radiators began the next Monday, the employees of the building wearing gloves and outside wraps at their indoor work . . . Coal arrived on February 1, enabling us to open the Museum on February 2, with five tons on hand."

In other words they were under the necessity of closing for about six weeks, whereas our period of enforced closure was for one week only, beginning at about the time when the Brooklyn museum was able to reopen.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

A small but interesting war exhibit, of articles made by wounded Italian soldiers in the American Hospital at Florence, Italy, has recently been installed in two cases in the Arts and Archeology room on the main floor of the Museum.

This hospital, which is under the charge of the American Committee for War Relief in Florence, was started in 1915 as a convalescent home of 50 beds. It is now a war hospital of 100 beds and is located in the Villa Modigliani, which was placed at the disposal of the Committee by its owner for the duration of the war.

The articles exhibited are loaned by Miss Annie D. Hanks, of New York City, who has been acting as a volunteer aid in the hospital since June 1916.

Among the objects shown are bags netted by a totally blinded soldier; carved wooden boxes made by one of the Italian Alpini; a box and baskets of straw and of some species of fibre—one of the latter material being curiously decorated with bunchy bows of gay colored cotton stuff, in a manner which suggests the American Indian rather than the native of Italy. Many of the articles, however, show distinctly the artistic spirit of the nation. This is especially noticeable in two round boxes on which are applied tiny designs cut from straw, after the manner of early seventeenth century Florentine work. Lastly there are some quaint little wooden toy figures, of much interest to our children visitors.

Besides the work done by the soldiers there are on view two posters designed to advertise the Italian National Loan; a pack of playing cards—the facecards of which were designed by a well-known Italian cartoonist; and two khaki handkerchiefs showing a map of Italy, the various weapons used by the army, and other information intended to be of especial use to the young recruit.

A. L. P.

Since the last list of accessions to the Museum and library were published in the BULLETIN, additions have been received from the following persons: Dr. Preston H. Bailhache, Mrs. Frank Bowden, Dr. N. L. Britton, Miss S. Gertrude Clark, Howard H. Cleaves, Miss Mary Wood Daley, Miss Bessie E. Davis, Wm. T. Davis, Harold K. Decker, Stafford C. Edwards, L. W. Freeman, Frederick Hildebrandt, Dr. Arthur Hollick, Harrison F. Lewis, John E. Manzel, A. A. Michell, Herman Rossback, Alanson B. Skinner, Charles Young.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I-IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I-IV, June 1905-May 1907, pp. 1-136, pls. I-III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1907-May 1909, pp. 1-251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1909-May 1911, pp. 1-216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1911-May 1913, pp. 1-148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I-IV, October 1913-May 1915, pp. 1-155, pls. I-VII.

VOLUME VI, Part I, pp. 1-66, October 1915; pp. 67-112, October 1915-January 1916; Part II, pp. 113-139, February 1916; pp. 141-191, February-May 1916.

The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i-xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i-xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.

MUSEUM BULLETIN

OF THE

STATEN ISLAND ASSOCIATION

OF

ARTS AND SCIENCES

New Series Vol. IV, No. 10 (Whole No. 118)

MAY 1918

Edited for the Publication Committee

by ARTHUR HOLICK, Director



Owned and published by the Staten Island Association of Arts and Sciences. Editor: Arthur Holick
Place of publication: Staten Island, N.Y. Office, place of business and address of owner, publication and
editor: Museum of the Staten Island Association of Arts and Sciences, Stuyvesant Place, Saint George,
Staten Island, N.Y. Issued monthly.

Entered as 2d-class matter in P. O. at Staten Island, N.Y.,
under Act of Congress, July 16, 1904.

MUSEUM BULLETIN

THE ANNUAL MEETING OF THE ASSOCIATION

will be held in the assembly hall of the Museum, 154 Stuyvesant Place, Saint George, Saturday Evening, May 18, 1918, at 8:15 o'clock.

Reports of officers will be presented and four trustees are to be elected. The terms of office of the following trustees expire, *viz*: Hon. Howard R. Bayne, Mr. William T. Davis, Mr. Charles A. Ingalls, Mr. S. McKee Smith; and they or their successors are to be elected.

The committee on nominations consists of Mr. James R. Walsh, 332 Saint Mark's Place, Mr. T. Livingston Kennedy, 314 Westervelt Ave., Mr. George W. Tuttle, 71 Central Ave.

The customary informal reception by the Women's Auxiliary Committee will be held after the adjournment of the meeting.

CHAS. W. LENG
Secretary.

This is the last meeting that will be held in our present quarters which we have occupied since March 1911. The new Museum building is completed except in regard to some minor interior details, and definite arrangements for moving have been made for the latter part of this month. It is planned to permanently close the Museum to the public at 5 p. m. on Saturday, May 18, in order to devote the remainder of the month to the work of final packing and to the transfer of the contents of the Museum and Annex to the new building, which must be accomplished before June 1. At the present time no date for the opening of the Museum in its new quarters can be announced or even predicted. The problem of rearranging the furniture, collections and library will have to be carefully studied and experiments tried, before the final arrangements and installation can be determined.

With this number of the BULLETIN its present title will terminate, and the next issue will bear the imprint of the Staten Island Institute of Arts and Sciences, our new corporate name, which became a law March 19, 1918. Certain legal technicalities and necessary changes in official forms have delayed the use of the new name in connection with our book-keeping, correspondence and other Museum affairs; but these will be adjusted and our new name formally adopted before the next BULLETIN is issued.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES

The following note, abstracted from the *Museum News Letter* for April, will appeal to all who are interested in museum activities:

“The Southernmost Museum in the World

Mr. Charles Wellington Furlong, the explorer and writer, brings the report of the Museum in the little town Punta Arenas, in the Strait of Magellan, Lat. 52° south. It is in the Salesian Mission in the little plaza on the hill at the top of the town. Its collections relate primarily to the Natural History of the Magellan territory. It also possesses one of the most complete collections in existence of objects from the Patagonian and Fuegian tribes. Monseignor Fagnasio is at the head of the Mission and is mainly responsible for the Museum and its collections.”

A recent election to active membership in the Association by the Board of Trustees is Dr. Lucius P. Brown, West New Brighton.

A change in the ex-officio membership of the Board has been occasioned by the recent retirement of District Superintendent of Schools, James J. Reynolds and the appointment in his place of Mr. Thomas O. Baker.

Since the last list of donors to the Museum collection and library was printed in the BULLETIN, accessions have been received from H. H. Cleaves, Goodspeed's Bookstore, Miss Mary Garrett, G. H. Hafstrom, Arthur Hollick, Mrs. J. P. Ilsley, Ralph R. McKee.

Recent library accessions of local historical interest are a Genealogy of the Lake Family, by Arthur Adams and Sarah A. Risley, which includes a chapter on the Staten Island branch of the family, and English Crown Grants, by Stephen L. Mershon, which includes a chapter on Staten Island grants and one on the Lancaster Symes Foundation.

Publications of the Association

1. PROCEEDINGS OF THE NATURAL SCIENCE ASSOCIATION OF STATEN ISLAND.

These PROCEEDINGS were printed in octavo numbers, partly in leaflet and partly in pamphlet form, from November 10, 1883, to June 3, 1905, and are included in nine volumes, separately indexed.

They may be obtained by members and patrons at \$1.50 per volume. To others the price per volume is \$3.00.

Single numbers of back volumes may be obtained at 10 cts. each, except the following, for which a uniform price of 50 cts. each will be charged:

Special No. 21, Vol. V, No. 5, March 14, 1896, "Staten Island Names, Ye Olde Names and Nicknames." Wm. T. Davis. Pamph., pp. 56, and map by Chas. W. Leng.

Special No. 22, Vol. VII, No. 15, March 10, 1900. "Colonel Francis Lovelace and his Plantations on Staten Island." Edward C. Delavan, Jr. Pamph., pp. 33, pls. I - IV.

Special No. 23, Vol. VIII, No. 25, October 1903, "Supplement to Staten Island Names, Ye Olde Names and Nicknames," Wm. T. Davis. Pamph., pp. 22 and map.

2. PROCEEDINGS OF THE STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES.

These PROCEEDINGS are printed in octavo parts, four parts to a volume. They contain the business and other records of the meetings of the Association and sections and are sent free to all patrons and to all members in good standing.

By resolution of the Association all members and patrons may obtain back parts at 25 cts. or back volumes at \$1.00. To others the price is 50 cts. per part or \$2.00 per volume, for both current and back issues.

VOLUME I, with Title Page, Table of Contents, and Index, contains Parts I - IV, June 1905 - May 1907, pp. 1 - 136, pls. I - III.

VOLUME II, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1907 - May 1909, pp. 1 - 251.

VOLUME III, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1909 - May 1911, pp. 1 - 216.

VOLUME IV, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1911 - May 1913, pp. 1 - 148, pls. I, II.

VOLUME V, with Title Page, Table of Contents, and Index, contains Parts I - IV, October 1913 - May 1915, pp. 1 - 155, pls. I - VII.

VOLUME VI, Part I, pp. 1 - 66, October 1915; pp. 67 - 112, October 1915 - January 1916; Part II, pp. 113 - 139, February 1916; pp. 141 - 191, February - May 1916.

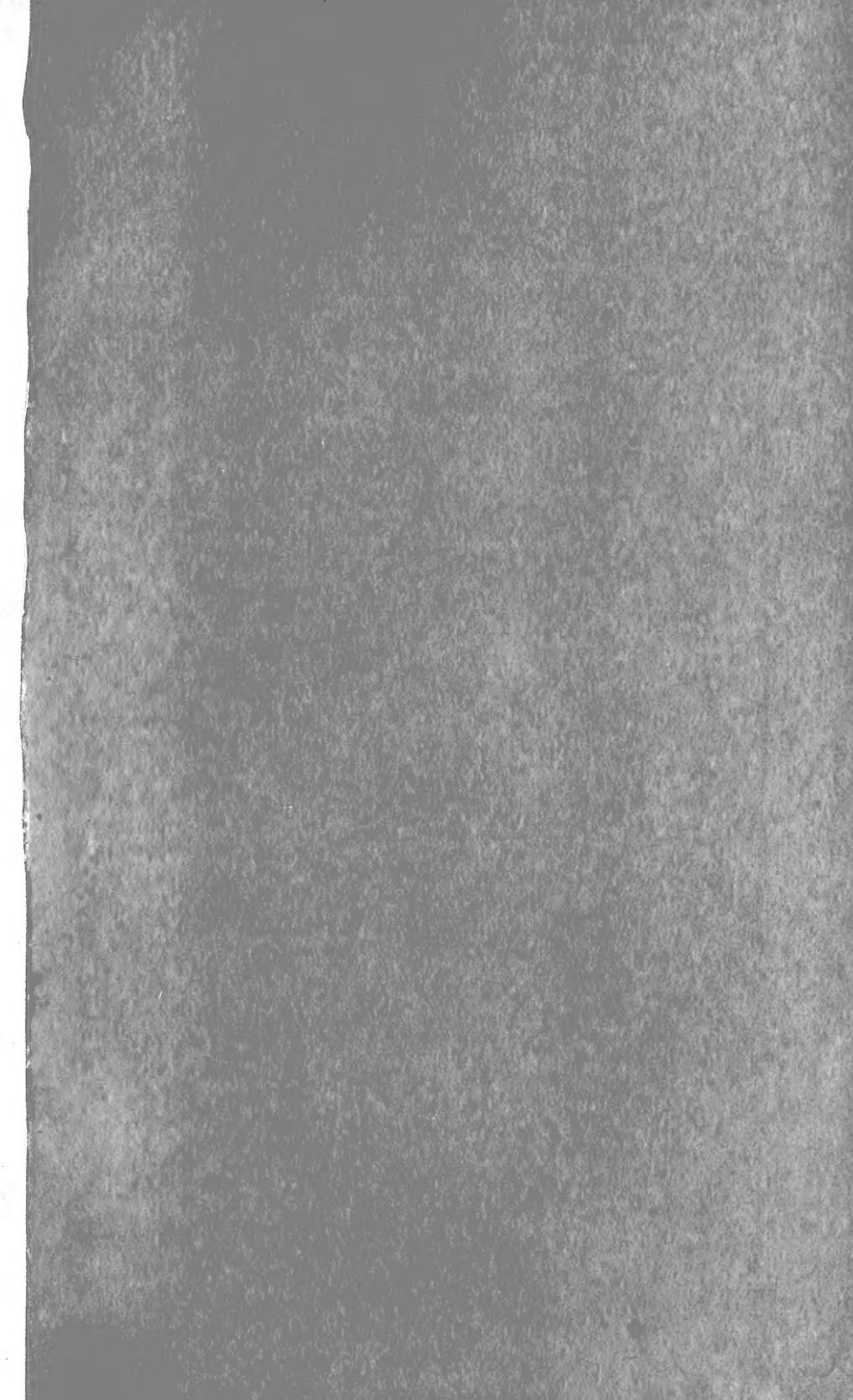
The Act of Incorporation, Constitution and By-Laws, etc. (Pamph., 8 vo, pp. i - xxv, 1906) and the special "Memorial Number," issued in commemoration of the celebration of the 25th anniversary of the organization of the Natural Science Association of Staten Island (Pamph., 8vo, pp. i - xxxviii, 1907), will be sent free on application.

3. THE MUSEUM BULLETIN.

Monthly octavo leaflets, containing official notices of meetings of the Association and sections, important items of business transacted by the Board of Trustees, and descriptive items concerning the museum exhibits and activities. Begun in August 1908. Current numbers sent free on application. Back numbers 2 cents each.

Checks should be made payable to the Staten Island Association of Arts and Sciences, and all remittances and communications addressed to

The Staten Island Association of Arts and Sciences,
Staten Island, N. Y.



New York Botanical Garden Library



3 5185 00287 2636

